

# Spring Schedule of Classes

## ANTHROPOLOGY

### ANTHR 1 Physical Anthropology 3.0

Scientific study of humankind and our evolutionary history with emphasis on recent developments; primatology; the fossil sequence beginning with pre-human through the Paleolithic era to the domestication of plants and animals and the dawn of civilizations and contemporary hunter-gatherers. (MJC ANTHR 101) Transfer: UC/CSU

0213 MW Lec 1:00P - 2:25P Sugar Pine 114  
Clarke P

### ANTHR 2 Cultural Anthropology 3.0

The scientific study of human societies including preliterate societies along with the concept of culture basic to Anthropology. Emphasis is on methods of fieldwork, cultural ecology, language, social and political structure, the psychological perspective, religion, cultural change and the cultural future of humanity. (MJC ANTHR 102) Transfer: UC/CSU

0215 MW Lec 11:20A - 12:45P Sugar Pine 114  
Clarke P

## ART

### ART 1 Basic Freehand Drawing 2.0

Introduction to basic drawing techniques, rendering techniques, linear perspective, composition in various media. Transfer: UC/CSU

1757 TH Lec 6:00P - 7:25P Willow 1  
AND TH Lab 7:35P - 9:00P Willow 1  
Accurso J

*Students must provide special equipment or supplies or may incur additional cost.*

### ART 2 Basic Color and Design 4.0

Introduction to elements and principles of visual design and color theory as applied in a studio setting. Transfer: UC/CSU

1245 TTH Lec 1:00P - 2:25P Willow 1  
AND TTH Lab 2:35P - 4:00P Willow 1  
Accurso L

*Students must provide special equipment or supplies or may incur additional cost.*

### ART 11 History of Art: Ancient and Medieval 3.0

Recommended for Success: ENGL 151. Survey of art history from the Paleolithic Age through the Late Gothic Era. (MJC ART 164) Transfer: UC/CSU

2418 F Lec 9:00A - 12:05P Cedar 1  
Hanson L

### ART 12 History of Art: Renaissance, Baroque, and Modern 3.0

Survey of art history from the 14th through the 20th century. (MJC ART 165) Transfer: UC/CSU

0220 TTH Lec 8:00A - 9:25A Cedar 1  
Accurso L

2419 M Lec 6:00P - 9:05P Sequoia 1  
Accurso L

### ART 13 Art of Africa, Asia, Australia and the Americas 3.0

Survey of the art of Africa, Asia, Australia, and the Americas from prehistoric to modern periods. This course is designed to meet an ethnic studies requirement. (MJC ART 169) Transfer: UC/CSU

2189 MW Lec 9:40A - 11:05A Sequoia 1  
Sylwester L

2190 W Lec 6:00P - 9:05P Sequoia 1  
Sylwester L

### ART 21A Painting: Beginning 2.0

Basic principles, techniques, and materials of oil or acrylic painting on canvas. (MJC ART 148) Transfer: UC/CSU

2423 T Lec 6:00P - 7:25P Willow 1  
AND T Lab 7:35P - 9:00P Willow 1  
Accurso L

*Students must provide special equipment or supplies or may incur additional cost.*

### ART 21A Painting: Beginning 4.0

Basic principles, techniques, and materials of oil or acrylic painting on canvas. (MJC ART 148) Transfer: UC/CSU

0225 TTH Lec 9:40A - 11:05A Willow 1  
AND TTH Lab 11:15A - 12:40P Willow 1

Accurso L

*Students must provide special equipment or supplies or may incur additional cost.*

### ART 21B Painting: Intermediate 2.0

Prerequisite: ART 21A with a grade of C or better, or P. Continuation of ART 21A with emphasis on personal expression. (MJC ART 149) Transfer: UC/CSU

2424 T Lec 6:00P - 7:25P Willow 1  
AND T Lab 7:35P - 9:00P Willow 1  
Accurso L

## ART (continued)

### ART 21B Painting: Intermediate 4.0

Prerequisite: ART 21A with a grade of C or better, or P.  
Continuation of ART 21A with emphasis on personal expression. (MJC ART 149) Transfer: UC/CSU

0226 TTH Lec 9:40A - 11:05A Willow 1  
AND TTH Lab 11:15A - 12:40P Willow 1

Accurso L

Students must provide special equipment or supplies or may incur additional cost.

### ART 25 Mixed Media Painting 2.0

A beginning studio class which introduces students to the elements and principles of mixed media painting. The course will involve use of oil or acrylic paints and will emphasize technique, special illusion and basic composition skills using different mixed media. (MJC ART 146) Transfer: UC/CSU

2498 F Lec 1:00P - 2:25P Willow 1  
AND F Lab 2:35P - 4:00P Willow 1

Hanson L

Students must provide special equipment or supplies or may incur additional cost.

### ART 31 Ceramics: Introductory 2.0

Introduction to basic ceramic methods including hand-building and wheel-thrown forms, and introduction to glazes and decoration. (MJC ART 108) Transfer: UC/CSU  
MATERIALS FEE: \$15.00

2195 TTH Lec 3:45P - 4:55P Sonora High School H-18

AND TTH Lab 4:55P - 6:05P Sonora High School H-18

Berchtold S

01/13/2014 to 03/21/2014

Students must provide special equipment or supplies or may incur additional cost.

0227 W Lec 6:00P - 7:25P Willow 1  
AND W Lab 7:35P - 9:00P Willow 1

Berchtold S

Students must provide special equipment or supplies or may incur additional cost.

### ART 31 Ceramics: Introductory 4.0

Introduction to basic ceramic methods including hand-building and wheel-thrown forms, and introduction to glazes and decoration. (MJC ART 108) Transfer: UC/CSU  
MATERIALS FEE: \$15.00

0353 MW Lec 1:00P - 2:25P Willow 1  
AND MW Lab 2:35P - 4:00P Willow 1

Sylwester L

Students must provide special equipment or supplies or may incur additional cost.

### ART 32 Ceramics: Intermediate 2.0

Course emphasis is on glazes, formulation and application with increased opportunity for personal expression and experimentation. Transfer: UC/CSU

MATERIALS FEE: \$15.00

2196 TTH Lec 3:45P - 4:55P Sonora High School H-18

AND TTH Lab 4:55P - 6:05P Sonora High School H-18

Berchtold S

01/13/2014 to 03/21/2014

Students must provide special equipment or supplies or may incur additional cost.

0228 W Lec 6:00P - 7:25P Willow 1

AND W Lab 7:35P - 9:00P Willow 1

Berchtold S

Students must provide special equipment or supplies or may incur additional cost.

### ART 32 Ceramics: Intermediate 4.0

Course emphasis is on glazes, formulation and application with increased opportunity for personal expression and experimentation. Transfer: UC/CSU

MATERIALS FEE: \$15.00

0354 MW Lec 1:00P - 2:25P Willow 1

AND MW Lab 2:35P - 4:00P Willow 1

Sylwester L

Students must provide special equipment or supplies or may incur additional cost.

### ART 33 Ceramics: Advanced 2.0

Course emphasis is on personal growth and independence. Transfer: UC/CSU

MATERIALS FEE: \$15.00

0229 W Lec 6:00P - 7:25P Willow 1

AND W Lab 7:35P - 9:00P Willow 1

Berchtold S

Students must provide special equipment or supplies or may incur additional cost.

### ART 33 Ceramics: Advanced 4.0

Course emphasis is on personal growth and independence. Transfer: UC/CSU

MATERIALS FEE: \$15.00

0355 MW Lec 1:00P - 2:25P Willow 1

AND MW Lab 2:35P - 4:00P Willow 1

Sylwester L

Students must provide special equipment or supplies or may incur additional cost.

## ART (continued)

### ART 35 Raku and Alternative Firing Methods 2.0

Introduction to raku process, pit firing, fuming, barrel smoked, historic origins and contemporary uses. Practical experience in clay bodies, glazes, raku and other firing. Transfer: UC/CSU

**MATERIALS FEE: \$15.00**

0230 F Lec 9:40A - 11:05A Willow 1  
AND F Lab 11:15A - 12:40P Willow 1

#### Magistrali M

*Students must provide special equipment or supplies or may incur additional cost.*

### ART 40 Photography: Beginning 4.0

Introduction to the history, art, craft, and scope of black-and-white photography. Emphasis will be on the choice, types, and use of various cameras and lenses (special emphasis on the 35mm camera), camera work and handling, composition, and black-and-white darkroom procedures. Adjustable 35mm film camera (or equivalent) will be utilized. (MJC ART 170 or ART 181 & 182) Transfer: UC/CSU

0590 M Lec 4:20P - 7:25P Cedar 10  
AND W Lab 4:20P - 7:25P Fir 8

#### Staff

*Field trips required or selected class meetings will be held at alternate locations within the college district. Students must provide special equipment or supplies or may incur additional cost.*

0468 T Lec 1:00P - 4:05P Oak Pavilion 12  
AND TH Lab 1:00P - 4:05P Fir 8

#### Waterbury T

*Field trips required or selected class meetings will be held at alternate locations within the college district. Students must provide special equipment or supplies or may incur additional cost.*

### ART 45 Field Photography 2.5

An introduction to producing professional quality nature photographs. Field instruction in locations of natural beauty followed by lectures, demonstrations, and critiques. The student will utilize an adjustable film or digital camera. Field trips required. Transfer: CSU

2148 F Lec 9:00A - 11:05A Sequoia 1  
AND F Lab 11:05A - 12:30P Sequoia 1

#### Schermeister P

### ART 53 Computer Graphics I 3.0

This course introduces the student to the fundamentals of computer graphics. Topics include the elements and principles of good graphic design, vector versus raster graphics, color theory, image scanning and formatting for print and screen. Students will acquire basic skills in current graphic design software and create original design pieces. Credit may be earned for only one of the following: ART 53 or CMPSC 33. Transfer: UC/CSU

**MATERIALS FEE: \$20.00**

2208 TTH Lec 6:00P - 6:50P Tamarack Hall  
134

AND TTH Lab 7:00P - 8:30P Tamarack Hall  
Christensen K 134

*Software used is ADOBE Illustrator.*

### ART 54 Computer Graphics II 3.0

Prerequisite: ART 53 or CMPSC 33, with a grade of C or better, or P. A continuation of Computer Graphics I. Topics covered will include more advanced techniques of painting and drawing software, scanning, publishing for the Web and printing. Credit may be earned for only one of the following: ART 54 or CMPSC 34. Transfer: UC/CSU

**MATERIALS FEE: \$20.00**

2209 TTH Lec 5:00P - 5:50P Tamarack Hall  
134

AND TTH Lab 6:00P - 7:30P Tamarack Hall  
Christensen K 134

*Software used is ADOBE Illustrator.*

### ART 71 Ceramic Sculpture: Introductory 2.0

Basic principles, techniques, and problems in sculpture. Transfer: UC/CSU

**MATERIALS FEE: \$15.00**

0231 F Lec 9:40A - 11:05A Willow 1  
AND F Lab 11:15A - 12:40P Willow 1

#### Magistrali M

*Students must provide special equipment or supplies or may incur additional cost.*

### ART 71 Ceramic Sculpture: Introductory 4.0

Basic principles, techniques, and problems in sculpture. Transfer: UC/CSU

**MATERIALS FEE: \$15.00**

1799 MW Lec 9:40A - 11:05A Willow 1  
AND MW Lab 11:15A - 12:40P Willow 1

#### Magistrali M

*Students must provide special equipment or supplies or may incur additional cost.*

*This is a Blackboard Enhanced section. See page 84.*

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## ART (continued)

### ART 72 Ceramic Sculpture: Advanced 4.0

Course emphasis is on advanced principles, techniques, and problems in hand-built sculpture. Transfer: UC/CSU

**MATERIALS FEE: \$15.00**

1800 MW Lec 9:40A - 11:05A Willow 1

AND MW Lab 11:15A - 12:40P Willow 1

Magistrali M

*Students must provide special equipment or supplies or may incur additional cost.*

### ART 98FP Intermediate Field Photography 3.0

Recommended for Success: ART 45 or equivalent. Various field and studio-oriented projects related to Nature Photography which may include but are not limited to learning to tell a story photographically and editing and creating mockup book layouts. Students will also learn to identify and work on their own personal vision as it relates to photography. Students will do a series of assignments, learn picture editing, create and critique picture layouts and learn how to plan detailed photographic coverage. Field trips required.

2427 TH Lec 12:00P - 2:05P Redbud 2

AND TH Lab 2:05P - 5:10P Redbud 2

Schermeister P

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## AUTOMOTIVE TECHNOLOGY

### AT 103 Practical Laboratory 1.0

Recommended for Success: Six units of completed AT units with a grade of C or better, or concurrent enrollment in six units of AT courses. This course includes special automotive repair projects that are assigned to students, with emphasis on speed, accuracy, and quality work habits.

**MATERIALS FEE: \$10.00**

2262 MTWTHF Lab 8:00A - 1:10P Madrone 1

Andal E

03/12/2014 to 03/25/2014

*Students must provide special equipment or supplies or may incur additional cost.*

### AT 104 Practical Laboratory (Auto Body) 1.0

This course includes special auto body collision repair projects that are assigned to advanced students, with emphasis on speed, accuracy, and quality work habits. Completion of, or concurrent enrollment in three Automotive Technology units required. Exceptions to the units requirement will be considered on an individual basis. Field trips may be required.

**MATERIALS FEE: \$50.00**

2510 W Lab 6:00P - 9:05P Mahogany 106

Staff

*Students must provide special equipment or supplies or may incur additional cost.*

### AT 112 Heating and Air Conditioning 3.0

Recommended for Success: AT 100. Fundamentals and theory of air conditioning (R12 and R134a), as well as techniques of service and diagnosis. Recycling refrigerant and handling of hazardous materials are also covered. This course is designed to comply with the National Automotive Technicians Education Foundation (NATEF) objectives, enabling students to prepare for Automotive Service Excellence (ASE) certification. Field trips may be required.

**MATERIALS FEE: \$10.00**

2129 MTWTHF Lec 8:00A - 10:00A Madrone 1

AND MTWTHF Lab 10:00A - 1:10P Madrone 2

Andal E

03/26/2014 to 04/17/2014

*Students must provide special equipment or supplies or may incur additional cost.*

### AT 113 Automotive Electrics 7.0

Recommended for Success: AT 100. Fundamentals of electricity and electronics that apply to all automotive electrical and electronic systems. Electrical theory, lighting systems, and chassis electrical and electronic circuits, and charging and starting systems are included. Methods of diagnosis will be emphasized. This course is designed to comply with the National Automotive Technicians Education Foundation (NATEF) objectives to enable students to prepare for Automotive Service Excellence (ASE) certification.

**MATERIALS FEE: \$10.00**

2261 MTWTHF Lec 8:00A - 1:05P Madrone 1

Andal E

01/13/2014 to 03/11/2014

*Students must provide special equipment or supplies or may incur additional cost.*

### AT 122 Manual Power Trains and Axles 4.0

Recommended for Success: AT 100. Principles and operation of automotive power trains including diagnosis and overhaul of clutches, manual transmissions, and transfer cases. This course is designed to comply with the National Automotive Technicians Education Foundation (NATEF) objectives enabling students to achieve Automotive Service Excellence (ASE) certification. Field trips may be required.

**MATERIALS FEE: \$10.00**

2263 WTH Lec 1:30P - 3:00P Madrone 1

AND WTH Lab 3:00P - 5:20P Madrone 2

Andal E

*Students must provide special equipment or supplies or may incur additional cost.*

## AUTOMOTIVE TECHNOLOGY (continued)

### AT 132 Automatic Transmissions and Transaxles 3.0

Recommended for Success: AT 100. Principles and theories involved with the diagnosis, repair, and rebuilding of automatic transmissions and transaxles. This course is designed to comply with the National Automotive Technicians Education Foundation (NATEF) requirements, enabling students to prepare for certification. Field trips may be required.

**MATERIALS FEE: \$10.00**

2264 MT Lec 1:30P - 2:20P Madrone 1  
AND MT Lab 2:20P - 5:00P Madrone 2  
Smith S

*Students must provide special equipment or supplies or may incur additional cost.*

### AT 185 Auto Body Collision Repair I 2.0

For beginning students in auto body collision repair work. Theory and study of the body sheet metal and structure. Theory and manipulative skills in oxy-acetylene welding, metal straightening, plastic filling and shrinking. Time allowing, students will learn basic proper removal and replacement of braking, engine, steering and suspension, and axle housing components as necessary to complete the auto body repair. Curriculum is aligned with the National Automotive Technician's Education Foundation (NATEF). Field trips may be required.

**MATERIALS FEE: \$50.00**

2511 W Lec 6:00P - 7:30P Mahogany 106  
AND Lab 7:45P - 9:00P Mahogany 106  
Staff

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## FAQs

columbia  
college  
counseling

### What do I need to do if I'm a new student?

As a new student, you have a number of steps that you will need to take. Please refer to our website at [www.gocolumbia.edu/admissions](http://www.gocolumbia.edu/admissions) for detailed information, but in general, you will need to fill out an admission application, take an assessment test for Math and English course placement, apply for financial aid, attend an orientation and advisement session, and register for classes.

## BIOLOGY

### BIOL 6 Principles of Plant Biology 4.0

Prerequisite: MATH 104 with a grade of C or better, or P. Covers photosynthesis, algae, protists, fungi, comparative plant structures and function, homeostasis, development, evolution, phylogeny, and taxonomy of plants. Principles of population and community ecology and ecosystem interactions are emphasized. Field trips may be required. (MJC BOT 101) Transfer: UC/CSU

0236 MW Lec 11:20A - 12:45P Sequoia 1  
AND MW Lab 1:00P - 2:25P Sugar Pine 207  
Miller M

### BIOL 10 Human Anatomy 4.0

Recommended for Success: BIOL 17 or BIOL 150. An introduction to the study of the gross and microscopic structure of the human body. Lab work entails dissection of cats, study of cadavers, microscopic work, and demonstrations on models. (MJC ANAT 125) Transfer: UC/CSU

*Supplemental Instruction may be offered for these sections. See page 26.*

0238 MW Lec 11:20A - 12:45P Sugar Pine 214  
AND MW Lab 2:40P - 4:05P Sugar Pine 200  
Naegle E

*This is a Blackboard Enhanced section. See page 84.*

0237 MW Lec 11:20A - 12:45P Sugar Pine 214  
AND MW Lab 1:00P - 2:25P Sugar Pine 200  
Naegle E

*This is a Blackboard Enhanced section. See page 84.*

1918 TTH Lec 8:00A - 9:25A Sugar Pine 214  
AND TTH Lab 9:40A - 11:05A Sugar Pine 200  
Kenna K

*This is a Blackboard Enhanced section. See page 84.*

1926 TTH Lec 8:00A - 9:25A Sugar Pine 214  
AND TTH Lab 11:20A - 12:45P Sugar Pine 200  
Kenna K

*This is a Blackboard Enhanced section. See page 84.*



For the latest class scheduling updates go to

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[www.gocolumbia.edu](http://www.gocolumbia.edu)

## BIOLOGY (continued)

### BIOL 17 Fundamentals of Biology 4.0

An integrated lecture and laboratory course of study emphasizing the fundamental principles common to all forms of life. The course is a core biology class for transfer students and for AA and AS students at Columbia College. The laboratory makes extensive use of computer simulations as well as experimentation in traditional laboratory. (MJC BIO 111) Transfer: UC/CSU (Transfer credit limited. See a counselor.)

1774 MW Lec 8:00A - 9:25A Sugar Pine 214  
AND MW Lab 11:20A - 12:45P Sugar Pine 217  
White S

1396 MW Lec 8:00A - 9:25A Sugar Pine 214  
AND MW Lab 9:40A - 11:05A Sugar Pine 217  
White S

0357 MW Lec 1:00P - 2:25P Sugar Pine 214  
AND MW Lab 4:20P - 5:45P Sugar Pine 217  
Tune J

0356 MW Lec 1:00P - 2:25P Sugar Pine 214  
AND MW Lab 2:40P - 4:05P Sugar Pine 217  
Tune J

0530 TTH Lec 1:00P - 2:25P Sugar Pine 214  
AND TTH Lab 4:20P - 5:45P Sugar Pine 217  
Whited B

0529 TTH Lec 1:00P - 2:25P Sugar Pine 214  
AND TTH Lab 2:40P - 4:05P Sugar Pine 217  
Whited B

### BIOL 39 Field Biology 2.0

A lecture field course in biology to be held in natural surroundings. The study site will vary with the seasons. Natural history, ecology, and biology of the locale will be studied. Transfer: CSU

1194 F Lec 6:00P - 8:00P Sugar Pine 114  
AND THFSU Lec 9:00A - 5:30P Field Location  
Hofstra T  
03/06/2014 to 03/23/2014

### BIOL 50 Nutrition 3.0


Introductory study of energy and nutrient requirements of the body in relation to growth, maintenance, and reproduction; factors influencing normal metabolism, construction of the adequate diet. Emphasis is placed upon the chemical aspects of nutrition. (MJC FDNTR 219) Transfer: UC/CSU


2416 M Lec 3:30P - 6:35P Oakdale High  
James D School E-6

0493 MW Lec 9:40A - 11:05A Sugar Pine 114  
Dyer K  
*This is a Blackboard Enhanced section. See page 84.*

2433 TTH Lec 9:40A - 11:05A Sugar Pine 114  
Naegle E  
*This is a Blackboard Enhanced section. See page 84.*

2434 TTH Lec 2:40P - 4:05P Sugar Pine 114  
Naegle E  
*This is a Blackboard Enhanced section. See page 84.*

1408 Dyer K  
 *This is an online section. See page 84.*

0653 Dyer K  
 *This is an online section. See page 84.*

### BIOL 60 Human Physiology 4.0

Recommended for Success: BIOL 10, BIOL 17, CHEM 10. Study of the function, integration and homeostasis of the organ systems of the human body. (MJC PHYSO 101) Transfer: UC/CSU

*Supplemental Instruction may be offered for these sections. See page 26.*

0494 MW Lec 8:00A - 9:25A Sugar Pine 126  
AND F Lab 9:00A - 12:05P Sugar Pine 207  
Miller M/Sousa J

0495 MW Lec 8:00A - 9:25A Sugar Pine 126  
AND F Lab 1:20P - 4:25P Sugar Pine 207  
Miller M/ Sousa J

2030 TTH Lec 1:00P - 2:25P Sugar Pine 114  
AND TTH Lab 2:40P - 4:05P Sugar Pine 207  
Miller M

## BIOLOGY (continued)

### BIOL 65 Microbiology 4.0

Recommended for Success: BIOL 17, CHEM 14 and CHEM 14L. Morphology, physiology, genetics, cultivation and control of micro-organisms, particularly bacteria and viruses. Principles of immunology and the relationship of microbes to disease will be included. (MJC MICRO 101) Transfer: UC/CSU

*Supplemental Instruction may be offered for these sections. See page 26.*

0497 TTH Lec 8:00A - 9:25A Sugar Pine 126  
AND TTH Lab 9:40A - 11:05A Sugar Pine 207

Yost H

*This is a Blackboard Enhanced section. See page 84.*

0496 TTH Lec 8:00A - 9:25A Sugar Pine 126  
AND TTH Lab 11:20A - 12:45P Sugar Pine 207

Yost H

*This is a Blackboard Enhanced section. See page 84.*

### BIOL 158 Birds of Central California 1.0

A survey of the birds of Central California through field observations and lectures. Students will learn how to identify birds by sight and sound, then use identification skills as a tool for understanding other aspects of avian biology and ecology. Discussion topics will include anatomy, physiology, behavior, and ecology of birds. Offered for Pass/No Pass grading only. Field trips may be required.

1574 F Lec 6:00P - 9:00P Sugar Pine 217  
AND S Lab 9:00A - 6:00P Field Location

Van Cleave G

02/21/2014 to 03/22/2014

Fri 2/21, 3/7, 3/21

Sat 2/22, 3/8, 3/22

### BIOL 159 Wildflowers 1.5

A survey of seasonal wildflowers. Includes basic identification, and recognition of common species and families, terminology, and natural history. Offered for Pass/No Pass grading only. Field trips may be required.

1912 T Lec 6:00P - 7:25P Sugar Pine 217  
AND S Lec 8:00A - 1:05P Field Location  
AND S Lec 8:00A - 3:05P Field Location

Hofstra T

03/25/2014 to 04/26/2014

Tues 3/25, 4/8, 4/22

Sat 3/29, 4/12, 4/26

## BUSINESS ADMINISTRATION

### BUSAD 2B Managerial Accounting 4.0

Prerequisite: BUSAD 2A with a grade of C or better, or P. Recommended for Success: BUSAD 163, CMPSC 30. Provides Business Administration and Accounting majors an opportunity to develop a working knowledge of techniques used for decision-making, planning, directing, and controlling manufacturing operations. Particular focus is on costing methods, cost-volume-profit issues, incremental analysis and pricing. Students will work with standard cost, budgets, and control responsibility including capital investments and cash flow analysis. (MJC BUSAD 202) Transfer: UC/CSU

1890 TTH Lec 1:00P - 3:05P Buckeye 3  
Hill M

### BUSAD 18 Business Law 4.0

Laws and regulations affecting managerial decisions; legal concepts and case analyses in the areas of ethics, employment, agency, consumer transactions, business torts and crimes, business organizations, and with special emphasis on contracts. (MJC BUSAD 218) Transfer: UC/CSU

0899 MW Lec 11:20A - 1:25P Buckeye 3  
Hill M

### BUSAD 20 Principles of Business 3.0

Survey of business principles, problems and procedures; ownership; recruitment and training of personnel; labor-management relations; production and distribution of goods; competition; profit; transportation; finance; managerial controls; government and business relations. (MJC BUSAD 248) Transfer: UC/CSU

0971 MW Lec 9:40A - 11:05A Buckeye 3  
Sheehan A

2483 T Lec 6:00P - 9:05P Oakdale High  
Ruiz W School E-6

### BUSAD 24 Human Relations in Organizations 3.0

People and their roles in organizations. The nature of organizational relationships; working in groups, recognizing and solving human relations problems. Creating the win-win situation of satisfying individual and organizational objectives. Transfer: CSU

0975 TTH Lec 9:40A - 11:05A Buckeye 3  
Olsen T

## BUSINESS ADMINISTRATION (continued)

### **BUSAD 25 Job Search and Interviewing Strategies** 1.0

Understanding the employment process and development of written and oral presentation skills necessary to conduct an efficient and effective job search. Topics include: the hiring process, employer perspectives, the hidden job market, networking, research, job search planning, making employer contacts and interviewing. Development of a master application, resume and letter of application. Credit may be earned for only one of the following: BUSAD 25 or GUIDE 25. (MJC GUIDE 112) Transfer: CSU

2279 TTH Lec 1:00P - 3:50P Sugar Pine 115  
Fitzwater J  
03/11/2014 to 03/27/2014

### **BUSAD 30 Principles of Marketing** 3.0

Marketing principles, policies, and functions, price policies and controls, trade channels, merchandising, market research, advertising, and competitive practices. (MJC BUSAD 245) Transfer: CSU

2078 W Lec 6:00P - 9:05P Oakdale High  
Ruiz W School F-6

### **BUSAD 41 Small Business Management** 3.0

Small business operation with proper balance between business functions of purchasing, production, sales and finance, and the management functions of planning, organizing, actuating, and controlling. Transfer: CSU

2077 MW Lec 1:00P - 2:25P Maple 104  
Ponder I

### **BUSAD 53 Project Management** 3.0

Recommended for Success: CMPSC 1. This course is designed to familiarize individuals with current and emerging project management technologies using the Internet, project management software and other application software packages as needed for project completion. Project management knowledge topics will include project integration, scope, time, cost, quality, human resource, communications, risk and procurement management. Credit may be earned for only one of the following: BUSAD 53 or CMPSC 53. Transfer: CSU

1555 MW Lec 11:20A - 12:45P Buckeye 4  
Sheehan A



For the latest class scheduling updates go to

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### **BUSAD 121 Adobe Acrobat Essentials** 2.0

Recommended for Success: CMPSC 1. Designed for those who need to convert various file formats to the universally accepted PDF file format and work with Acrobat Standard or Professional in the creation, editing, packaging and management processes of PDF files. Students will also learn creation of Adobe forms and working with their interactive features.

2231 TTH Lec 2:40P - 3:25P Fir 1  
AND TTH Lab 3:25P - 4:45P Fir 1  
Ponder I

### **BUSAD 151 Finance and Investments** 3.0

A study of financial systems and functions including markets, which funds are traded, institutions which participate in fund flows, and principles and concepts of management for making sound financial and investment decisions.

0930 M Lec 6:00P - 9:05P Maple 104  
Corrado R

### **BUSAD 155 Computerized Accounting for Business** 6.0

Recommended for Success: BUSAD 2A or BUSAD I61A, BUSAD 158. This course provides the student opportunities to set up and maintain an accounting system using QuickBooks, MYOB, and Peachtree commercial accounting programs. By using these programs students will get hands-on practice in financial accounting including accounts receivable, accounts payable, inventory, payroll, adjusting and closing entries and financial statements.

1826 MW Lec 6:00P - 9:05P Buckeye 4  
Stone H

### **BUSAD 161B Small Business Accounting II** 4.0

Prerequisite: BUSAD 161A with a grade of C or better, or P. Extension of the techniques learned in BUSAD 161A with more in-depth treatment of receivables, notes, inventory and depreciation, and with the introduction of partnership and corporation accounting and statements of cash flow and financial analysis; also an introduction to managerial accounting for decision making, departmentalized, cost and manufacturing systems, planning and budgeting, and exercises on computer use in both financial and managerial phases.

1889 TTH Lec 6:00P - 8:05P Buckeye 3  
Hill M

### **BUSAD 163 Business Mathematics** 4.0

After review of mathematical processes, students will apply math skills in business situations that include banking, credit cards, discounts, retailing, payroll, interest, compounding, present value, annuities, sinking funds, revolving credit, home mortgages, financial analysis and ratio interpretation, depreciation, inventory, taxes, insurance, stocks, bonds, business statistics.

0897 MW Lec 2:00P - 4:05P Buckeye 3  
Hill M




# CHEMISTRY

## CHEM 2A General Chemistry I 3.0

Prerequisite: MATH 104 with a grade of C or better, or P. Prerequisite: CHEM 5 or CHEM 14 or CHEM 20 with a grade of C or better, or P. The first half of a two-semester course designed to give an in-depth survey of chemical principles and theories. The application of the scientific method to observable chemical phenomena is an overarching theme of this course. Subjects covered in-depth include measurement theory and practice, data acquisition and analysis, modern atomic theory, ionic and covalent bonding, reaction classifications, stoichiometry, gas and solution chemistry, thermochemistry, intermolecular forces, and colligative properties. Further introductions to molecular orbital theory, quantum chemistry, materials science, and environmental analysis ensure practical use of general chemical principles. Transfer: CSU

2441 M Lec 9:40A - 11:05A Sugar Pine 100  
AND Ryan J

 This is a hybrid section. See page 84.

## CHEM 2AL General Chemistry I Laboratory 2.0

Prerequisite: CHEM 2A with a grade of C or better, or P, or concurrent enrollment in CHEM 2A. The first laboratory course in a series designed so students gain multiple experiences in a chemistry lab. The investigation of compounds and elements using gravimetric, colorimetric, calorimetric, titrative, and qualitative means will be explored. The analysis of the validity of quantitative data will be included throughout the course. Standard laboratory safety (SLS) and good laboratory practice (GLP) will be emphasized. Transfer: CSU

2442 T Lec 4:45P - 5:50P Sugar Pine 215  
AND T Lab 6:00P - 9:05P Sugar Pine 215  
Ryan J

## CHEM 2B General Chemistry II 3.0

Prerequisite: CHEM 2A with a grade of C or better, or P. The second half of an in-depth survey of chemical principles and theories. Subjects studied include chemical equilibria, acids and bases, solubility, thermodynamics, kinetics, electrochemistry, nuclear chemistry. Further introductions to inorganic chemistry, environmental chemistry, organic chemistry and biochemistry are used to create well rounded chemical education. Transfer: CSU

2447 WF Lec 8:00A - 9:25A Sugar Pine 100  
Bowlus S

*This is a Blackboard Enhanced section. See page 84.*

## CHEM 2BL General Chemistry II Laboratory 2.0

Prerequisite CHEM 2B with a grade of C or better, or P, or concurrent enrollment in CHEM 2B. The laboratory for the second semester of general chemistry covering kinetics, equilibrium, thermodynamics, electrochemistry, analytical chemistry, environmental chemistry, and organic chemistry. Emphasis will be on quantitative measurements, instrumentation, data analysis, and theory development. Transfer: CSU

2448 F Lec 1:20P - 2:25P Sugar Pine 215  
AND F Lab 2:40P - 5:45P Sugar Pine 215


### Bowlus S

*This is a Blackboard Enhanced section. See page 84.*

## CHEM 4B Organic Chemistry II 3.0

Prerequisite: CHEM 4A with a grade of C or better, or P. A mechanism-based investigation of the reactions of carbon and the analysis of the compounds produced. The chemistry of dienes, aromatics, amines, carbanions, carboxylic acids, carboxylic acid derivatives, aldehydes, ketones and biochemically important compounds will be examined. Multi-step synthesis is further extended from CHEM 4A to biomimetic natural product synthesis. Transfer: CSU

2444 M Lec 8:00A - 9:25A Sugar Pine 100  
AND Ryan J

 This is a hybrid section. See page 84.

## CHEM 4BL Organic Chemistry II Laboratory 2.0

Prerequisite: CHEM 4B with a grade of C or better, or P, or concurrent enrollment in CHEM 4B. Further practice of chemical synthesis of organic compounds, the use of the tools used to purify products and the ways chemists characterize new products formed. Attention to detail while performing multi-step synthesis, chromatographic separations, and spectroscopy analysis will be required. Transfer: CSU


2443 T Lec 4:45P - 5:50P Sugar Pine 215  
AND T Lab 6:00P - 9:05P Sugar Pine 215  
Ryan J

## CHEM 5 Introductory Chemistry: Environmental Emphasis 3.0

Introductory chemical principles and theories applied to the study of the environment. Intended as a preparation course for general chemistry and other physical sciences, subjects include problem solving, measurement theory, data analysis, water solubility, spectral analysis, atomic structure, nuclear chemistry, ionic compounds, crystallography, stoichiometry, molecular compounds, gas laws, solutions, acids, bases, toxicity, equilibrium, kinetics, and the environmental analysis of water, soils and air. Science majors looking for an excellent foundation of chemistry before taking degree applicable physical science courses will benefit the most from this course offering. Transfer: CSU

2449 T Lec 11:20A - 2:25P Sugar Pine 100  
Ryan J

2450 Ryan J

 This is an online section. See page 84.

## CHEMISTRY (continued)

### CHEM 5L Introductory Chemistry Laboratory 1.0

Prerequisite: CHEM 5 with a grade of C or better, or P, or concurrent enrollment in CHEM 5. Chemical laboratory practices related to environmental analysis including laboratory safety, measurement theory, data analysis, water sampling and analysis, soil sampling and analysis, atomic absorption spectroscopy, ionic and molecular compounds, environmental sampling, sample preparation, solution preparation, and use of standard solutions. Transfer: CSU

2451 TH Lab 11:20A - 2:25P Sugar Pine 215  
Stavytska-Barba M


### CHEM 14 Fundamental Chemistry for Allied Health 3.0

Fundamental theories and principles of chemistry related to biological systems; scientific method, measurements and units, atomic and molecular structure, common biological ions, Lewis structures, nuclear medicine, gas laws, chemical reactions, solutions, acids, bases, buffers, oxidation reduction reactions, and biologically important organic compounds. Transfer: CSU

*Supplemental Instruction may be offered for these sections. See page 26.*

2438 M Lec 11:20A - 2:25P Sugar Pine 100  
Ryan J

2428 T Lec 2:40P - 5:45P Sugar Pine 100  
Stavytska-Barba M

2437 Ryan J  
 This is an online section. See page 84.

### CHEM 14L Fundamental Chemistry for Allied Health Laboratory 1.0

Prerequisite: CHEM 14 with a grade of C or better, or P, or concurrent enrollment in CHEM 14. Fundamental laboratory practices related to chemistry and biology; measurements and units, physical separations, solution preparation, observing chemical reactions, computer added molecular modeling, spectrophotometer analysis, organic synthesis, enzyme kinetics, qualitative analysis. Transfer: CSU

*Supplemental Instruction may be offered for these sections. See page 26.*

2429 TH Lab 2:40P - 5:45P Sugar Pine 215  
Stavytska-Barba M


2436 W Lab 8:00A - 11:05A Sugar Pine 215  
Muehldorf A

2435 W Lab 11:20A - 2:25P Sugar Pine 215  
Bowlus S

### CHEM 20 The Chemistry of Everything 3.0

An introduction to the way chemists look at the world. Designed for non-science majors, topics ranging from dirt and sunshine to water and explosives will be explored. A blend of chemistry content and real-life applications will be used to illustrate scientific thought processes. (MJC CHEM 150) Transfer: UC/CSU (Transfer credit limited. See a counselor)

2439 T Lec 8:00A - 11:05A Sugar Pine 100  
Ryan J

2440 Ryan J  
 This is an online section. See page 84.

### CHEM 20L The Chemistry of Everything Laboratory 1.0

Prerequisite: CHEM 20 with a grade of C or better, or P, or concurrent enrollment in CHEM 20. An introduction to how chemists work in the laboratory. Experiments will be performed in a wet lab environment allowing for a more in-depth understanding of how chemistry principles shape our world. Transfer: CSU

2479 TH Lab 8:00A - 11:05A Sugar Pine 215  
Muehldorf A

## CHILD DEVELOPMENT

### CHILD 1 Child Growth and Development 3.0

Recommended for Success: ENGL 1A or ENGL 151. Growth and development of children, both typical and atypical, from conception through adolescence. Basic concepts related to physical, social, intellectual, and emotional development, including the effects of culture, will be explored. 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. (MJC CLDDV 103) Transfer: UC/CSU

2266 F Lec 8:00A - 11:05A Maple 102  
Sullivan K

2267 T Lec 6:00P - 9:05P Maple 102  
Sullivan K



For the latest class scheduling updates go to

**My Columbia**

[www.gocolumbia.edu](http://www.gocolumbia.edu)

## CHILD DEVELOPMENT (continued)

### CHILD 3 Principles and Practices of Teaching Young Children 3.0


An examination of the underlying theoretical principles of developmentally appropriate practice applied to programs, environments; emphasizing the key role of relationships, constructive adult-child relationships, and teaching strategies in supporting physical, social, creative and intellectual development for all children. This course includes a review of the historical roots of early childhood programs and the evolution of the professional practices promoting advocacy, ethics and professional identity. (MJC CLDDV 101) Transfer: CSU

2281 T Lec 1:00P - 4:05P Maple 102  
Sullivan K

### CHILD 4 Observation and Assessment 3.0

This course focuses on the appropriate use of a variety of assessment and observation strategies to document development and behavior. Child observations will be conducted and analyzed. Transfer: CSU

2506 Seegers A

 This is an online section. See page 84.  
02/03/2014 to 05/03/2014

### CHILD 8 Early Literacy Development 3.0

This course will improve early childhood educators' and care providers' knowledge of early literacy development and the skills in teaching early literacy to children from birth through age five. It includes research-based principles for providing children birth through age five a strong foundation in early reading and writing within a developmentally appropriate approach. Meets or exceeds specifications of external agency. Transfer: CSU

0768 TH Lec 1:00P - 4:05P Maple 102  
Sullivan K

### CHILD 16 Practicum 3.0

Prerequisite: CHILD 1 and CHILD 22 with grades of C or better, or P. Co-requisite: CHILD 3. In this course, students will practice and demonstrate developmentally-appropriate early childhood program planning and teaching competencies at an approved placement site. 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. Transfer: CSU

2269 F Lec 9:00A - 10:05A Maple 104  
Seegers A  
This is a Blackboard Enhanced section. See page 84.

### CHILD 17 Adult Supervision Practicum 2.0

This course will provide students with the skills and techniques needed to supervise adults in a developmentally appropriate children's program. Meets the adult supervision requirement for the Child Development Permit.

2186 Seegers A

02/03/2014 to 05/13/2014

This is an online section. See page 84.

### CHILD 22 Child, Family, Community 3.0

An examination of the developing child in a societal context which focuses on the interrelationships of family, school, and community and emphasizes historical and socio-cultural factors. The processes of socialization and identity development will be highlighted. (MJC CLDDV 109) Transfer: CSU

2271 W Lec 6:00P - 9:05P Maple 102  
Seegers A

This is a Blackboard Enhanced section. See page 84.

### CHILD 26 Health, Safety and Nutrition 3.0

Introduction to the laws, regulations, standards, policies and procedures and early childhood curriculum related to child health safety and nutrition. The key components that ensure physical health, mental health and safety for both children and staff will be identified along with the importance of collaboration with families and health professionals. Focus on integrating the concepts into everyday planning and program development for all children. Transfer: CSU

**MATERIALS FEE: \$10.00**

1723 W Lec 9:00A - 12:05P Maple 102  
Seegers A

This is a Blackboard Enhanced section. See page 84.

### CHILD 28 Books for Young Children 3.0

An introductory course on books for young children. Topics will include how to evaluate content and illustration; choosing books that relate to children's developmental needs and interests; the art of reading aloud. Field work involving reading aloud to children under six years of age is required. Transfer: CSU

0769 M Lec 6:00P - 9:05P Maple 102  
Meiss D

This is a Blackboard Enhanced section. See page 84.

### CHILD 30 Child Care/Nursery School Administration 3.0

Recommended for Success: ENGL 151. Administration of public and private child care and nursery school programs in California. Topics include budget development and management; staff selection and supervision; programs, facilities, and equipment; parent and community relationships; and licensing requirements. (MJC CLDDV 150) Transfer: CSU


0770 TH Lec 8:00A - 11:05A Maple 102  
Sullivan K

## CHILD DEVELOPMENT (continued)

### CHILD 40 Creative Activities in Motor Development 2.0

Co-requisite: HHP 61. Introduction to the concepts, recommendations and guidelines related to motor development for young children. Key components of health as related to physical activity will be discussed along with the importance of collaboration with families. Strategies for incorporating more physical activity throughout the day across the curriculum for all children will be identified. Focus on integrating concepts into everyday planning and program development. Transfer: CSU

#### 2313 Walker A

 This is an online section. See page 84.  
Must be taken with HHP 61.

### CHILD 116 Infant/Toddler Practicum 3.0

Prerequisite: CHILD 1 and CHILD 22 with a grade of C or better, or P. Co-requisite: CHILD 3. In this course the student will practice and demonstrate developmentally appropriate early childhood program planning and teaching competencies in an approved infant or toddler field site. 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. This class can be used by students as a specialization class toward their Child Development Permit (issued by the California Teacher Credentialing Office).

#### 2268 F Lec 9:00A - 10:05A Maple 104 Seegers A

This is a Blackboard Enhanced section. See page 84.

### CHILD 126 School-Age Child Care 3.0

This course will include the study of child development for children ages 6 to 12 and an overview of skills necessary to provide appropriate care for this age group. This class can be applied by students as a specialization class toward their Child Development Permit (issued by the California Teacher Credentialing Office).

#### 1011 Seegers A

 This is an online section. See page 84.

02/03/2014 to 05/13/2014

## COMPUTER SCIENCE

### CMPCSC 1 Computer Concepts and Information Systems 4.0

This course includes concepts of computer information systems in business, industry and other institutions. Study of computers, applications and network communications will also be covered. Actual practice is on personal computers in Windows environment on a network. Lab applications include graphical user interface, spreadsheets, word processing, database management, multimedia presentations and access to the Internet and World Wide Web. Transfer: UC/CSU

#### 0771 TTH Lec 9:40A - 11:05A Fir 3 AND TTH Lab 11:20A - 12:45P Fir 4 Staff

### CMPCSC 4 Windows Operating Systems Essentials 1.5

This course provides instruction in Operating Systems. Topics include management of window elements, desktop arrangement, folders and files, and file management. Students will use multitasking, cut and paste, linking, and printing operations within selected Windows applications. Offered for Pass/No Pass grading only. Transfer: CSU

#### 0774 TTH Lec 2:40P - 4:05P Fir 4 Wright D 01/14/2014 to 03/06/2014

### CMPCSC 5 Introduction to Programming 3.0

Recommended for Success: MATH 104 or equivalent. First course in computer programming for students with little or no programming experience. Covers computer architecture, data representation, file systems and networks, software development methods (structured and object-oriented design), and basic problem solving using analysis, documentation, algorithm design and control structures. Programming using scripting languages such as JavaScript and Python, and a compiled, object-oriented language such as Java will be introduced. This course is designed for majors and non-majors. Transfer: UC/CSU

#### 1363 MW Lec 9:40A - 10:40A Fir 4 AND MW Lab 10:40A - 11:45A Fir 4 Smith D

### CMPCSC 9 Introduction to UNIX/Linux 3.0

Prerequisite: CMPCSC 3 with a grade of C or better, or P. An introduction to the UNIX operating system using Linux as the working environment. Topics include operating system commands, shell scripting, TCP/IP basics, FTP, mail, telnet, text editors, disk, file and directory management, GUI interface with X windows, and multitasking. (MJC.CMPCSC 206) Transfer: UC/CSU


#### 1750 MW Lec 9:20A - 10:20A Fir 7 AND MW Lab 10:20A - 11:45A Fir 7 Ponder I

## COMPUTER SCIENCE (continued)


### **CMPSC 10 Internet Essentials** 2.0

Instruction in how to access the Internet using communications software and a web browser on personal computers. Topics include navigating browsers, electronic mail, search techniques, personal privacy, downloading, and the World Wide Web. Offered for Pass/No Pass grading only. (MJC CMPGR 262) Transfer: CSU

**2328 TTH** Lec 2:40P - 4:45P Fir 4  
Staff  
03/11/2014 to 05/02/2014

 This is a hybrid section. See page 84.


**0775 Staff**  
03/10/2014 to 05/02/2014

 This is an online section. See page 84.

### **CMPSC 11 Presentations Using Computers and Multimedia** 1.5

Use presentation software to prepare multimedia presentations. Combine text, graphics, video, and sound. Use the computer and multimedia projector to present information to an audience or to individuals using a PC. (MJC CMPGR 215) Transfer: CSU

**1527 Schultz K**  
01/13/2014 to 03/06/2014

 This is a hybrid section. See page 84.  
Students must attend face-to-face meeting on 1/14 from 2:40-4:05P in Buckeye 4 and 3/6 from 2:40-5:00P in Fir 3.  
Software used is Microsoft PowerPoint.


### **CMPSC 13 Introduction to HTML** 2.0

Recommended for Success: CMPSC 4. Use HTML authoring tools and/or HTML home page software to prepare multimedia presentations to use with an Internet browser. Combine text, graphics, video, and sound. Enhance computer displays for an audience and prepare home page links for access over the Internet. Transfer: CSU

**1562 MW** Lec 1:00P - 2:25P Fir 7  
Schultz K  
01/13/2014 to 04/02/2014

### **CMPSC 14 Advanced Topics in Website Development** 3.0

Recommended for Success: CMPSC 13. This course guides students through the process of exploring advanced tools for website design, which may include but are not limited to Flash, Javascript, ASP, and XML. Students will also attain skills in techniques for publicizing websites and best practices for site maintenance. Transfer: CSU

**2080 Tobin B**  
 This is an online section. See page 84.

### **CMPSC 15 Java Programming** 3.0


Recommended for Success: CMPSC 5. Learn Java, a platform-independent, object-oriented programming language. Designed for students who do not intend to major in computer science, but are interested in Java programming. Topics include classes, objects, arrays, inheritance, interfaces, control flow, file and network input/output, and access to relational databases using the current Java SDK API. Transfer: UC/CSU

**2492 MW** Lec 12:00P - 1:00P Fir 4  
AND MW Lab 1:00P - 2:30P Fir 4  
Smith D

### **CMPSC 17 Advanced Internet Research** 1.5

Recommended for Success: CMPSC 10. This course provides instruction in Advanced Internet Research and will provide students advanced search and research techniques via the World Wide Web. The course reviews basic components of Internet search engines and includes advanced subject matter research techniques, database resources and advanced Internet technology skills. Topics include E-Commerce, Internet Resources, Digital Content, and Internet Publications. Transfer: CSU

**0923 Schultz K**  
03/10/2014 to 05/02/2014

 This is an online section. See page 84.

### **CMPSC 19 Computer Graphics and Animation** 3.0

Recommended for Success: CMPSC 12 or CMPSC 14 or CMPSC 33. Computer Graphics and Animation introduces the student to an interactive media application for creating vector graphics, animation, and interactive multimedia for web pages and other digital media. The course will also cover basic action scripting integration. (MJC CMPGR 268) Transfer: UC/CSU

**0926 TTH** Lec 2:40P - 4:05P Tamarack Hall  
Christensen K 134  
Software used is ADOBE Flash.

### **CMPSC 27 C/C++ Programming** 3.0

Prerequisite: CMPSC 5 or CMPSC 22 with a grade of C or better, or P. Computer programming and program design using the C Language. Topics include language syntax, pre-processors, data types, conditionals, logic, recursion, array and string processing, functions, structures, bit operations, pointers, interactive programming, file input/output and object-oriented features of C++. Transfer: UC/CSU

**2282 TTH** Lec 9:40A - 10:40A Fir 7  
AND TTH Lab 10:40A - 12:15P Fir 7  
Smith D

## COMPUTER SCIENCE (continued)

### **CMPSC 29A Introduction to Computer Video Production** 2.0

Recommended for Success: CMPSC 14 or ENGL 11. Introduction to Computer Video Production introduces the student to the basic computer video production stages. Students will learn the process of creating computer video productions. This course is a project-based course. Students will be required to work in groups on approved class-related and school event projects. Transfer: CSU

2224 F Lec 12:00P - 4:10P Tamarack Hall  
O'Neill B 134

### **CMPSC 29B Advanced Computer Video Production** 2.0

Prerequisites: CMPSC 29A or CMPSC 29 Advanced Computer Video Production takes students to the advanced level of video production using the three-stage process. Students will learn the process of creating computer video productions using advanced techniques in video shooting, lighting, audio, editing, and authoring. This course is a project-based course. Students may be required to work in groups on approved class-related and/or school event projects. Transfer: CSU

2087 F Lec 12:00P - 4:10P Tamarack Hall  
O'Neill B 134

### **CMPSC 30 Financial Worksheets on Computers** 3.0

Electronic spreadsheets will be used to develop a basic understanding of business operations, managerial decision making, and strategic advantage. Students will develop spreadsheets for financial statements, what-if analysis, databases, and other ledger-type applications. Other topics include use of formulas and macros to customize data entry for business applications and combining data between worksheets and link files. Lab projects will focus on the use of spreadsheet design, development, and use for managerial decision making. (MJC CMPSC 278) Transfer: CSU

0979 TTH Lec 9:40A - 12:10P Fir 1  
Ponder I

### **CMPSC 31 Publication Design I** 3.0

Recommended for Success: OFTEC 141. An introduction to general publication design theory with emphasis on typography, page layout, graphics, and design. Students will create media for print and digital publishing. Exercises and projects will include the creation of a multi-page booklet, poster, newsletter, brochures and an interactive document formatted for digital publishing. Credit may be earned for only one of the following: CMPSC 31, ART 51, OFTEC 42. Transfer: CSU

**MATERIALS FEE: \$20.00**

2283 MW Lec 1:00P - 3:30P Fir 1  
Christensen K

*Students must provide special equipment or supplies or may incur additional cost.*

### **CMPSC 33 Computer Graphics I** 3.0

This course introduces the student to the fundamentals of computer graphics. Topics include the elements and principles of good graphic design, vector versus raster graphics, color theory, image scanning and formatting for print and screen. Students will acquire basic skills in current graphic design software and create original design pieces. Credit may be earned for only one of the following: CMPSC 33 or ART 53. Transfer: UC/CSU

**MATERIALS FEE: \$20.00**

1552 TTH Lec 6:00P - 6:50P Tamarack Hall  
134

AND TTH Lab 7:00P - 8:30P Tamarack Hall  
Christensen K 134

*Software used is ADOBE Illustrator.*

### **CMPSC 34 Computer Graphics II** 3.0

Prerequisite: CMPSC 33 or ART 53, with a grade of C or better, or P. A continuation of Computer Graphics I. Topics covered will include more advanced techniques of painting and drawing software, scanning, publishing for the Web and printing. Credit may be earned for only one of the following: CMPSC 34 or ART 54. Transfer: UC/CSU

**MATERIALS FEE: \$20.00**

1874 TTH Lec 5:00P - 5:50P Tamarack Hall  
134

AND TTH Lab 6:00P - 7:30P Tamarack Hall  
Christensen K 134

*Software used is ADOBE Illustrator.*

### **CMPSC 37 Writing for Multimedia** 3.0

This course will present an overview of multimedia writing including techniques for effective communication in web page copy, digital storytelling, scripts, critique writing, storyboarding, and other current industry modes of delivery. Transfer: CSU

2082 MW Lec 9:40A - 11:05A Fir 1  
Schultz K

### **CMPSC 39 Photo Editing for Digital and Print Publication** 3.0

This course focuses on the principles and practices of photo editing, artistic expression, and development of problem-solving skills, using an industry standard photo editing software program. Included is a survey of the tools and techniques used to create effective and sophisticated digital imagery for websites, multimedia and print publications. Additionally, the course will integrate the use of tablets and cloud technology as they pertain to photo editing. Transfer: CSU

2327 MW Lec 6:00P - 8:30P Tamarack Hall  
Christensen K 134

## COMPUTER SCIENCE (continued)

### **CMPSC 41 Networking Essentials** 3.0

Recommended for Success: CMPSC 1. An introduction to computer networking and data communications. The focus is on concepts, terminology, and technologies in current networking environments. It is based on, and covers the OSI model including discussions of Local and Wide Area Networks (LAN and WAN). A laboratory component provides hands-on experience in network setup and computer configuration. Includes the first semester of Cisco Networking Academy Program which prepares students for CCNA certification. The topics covered are also applicable to Microsoft Certified Systems Engineer (MCSE) and other industry networking certifications. Transfer: CSU

1875 MW Lec 5:30P - 6:30P Fir 7  
AND MW Lab 6:30P - 8:00P Fir 7  
Tullar W

### **CMPSC 53 Project Management** 3.0

Recommended for Success: CMPSC 1. This course is designed to familiarize individuals with current and emerging project management technologies using the Internet, project management software and other application software packages as needed for project completion. Project management knowledge topics will include project integration, scope, time, cost, quality, human resource, communications, risk and procurement management. Credit may be earned for only one of the following: CMPSC 53 or BUSAD 53. Transfer: CSU

0908 MW Lec 11:20A - 12:50P Buckeye 4  
Sheehan A

### **CMPSC 57 GIS Data Management - Introduction to Geodatabase** 1.0

Recommended for Success: CMPSC 4, CMPSC 10. Students who take this course will learn to use the ArcGIS Geodatabase format for management of spatial data. Students will be introduced to the concepts of database design and system architecture using ArcGIS software. Concepts covered include: introduction to the geodatabase; metadata; geodatabase vs. shapefile formats; overview of ArcGIS data models; feature datasets and feature classes; editing a geodatabase; personal geodatabase vs. multi-user geodatabase; domains and validation rules; and relationships and subtypes. Credit may be earned for only one of the following: CMPSC 57 or GEOGR 57. Transfer: CSU

2284 F Lec 10:00A - 4:00P Fir 1  
Mutch E  
02/21/2014 to 03/07/2014

### **CMPSC 58 GIS - ArcView** 1.0

Introduction to practical application of ArcView software; importation of GIS data, display, visualization, exploration, query, analysis, and production of hard-copy maps and reports. Students will be guided through a complete sequence of application fundamentals similar to what would normally be used in displaying, analyzing, and plotting a standard ArcView GIS application. Credit may be earned for only one of the following: CMPSC 58 or GEOGR 58. Offered for Pass/No Pass grading only. Transfer: CSU

2286 FSSU Lec 10:00A - 4:00P Fir 1  
Schmidt J  
01/24/2014 to 01/26/2014

### **CMPSC 60 Introduction to ArcGIS** 3.0

An introduction to fundamental Geographic Information Systems (GIS) concepts. Students will be introduced to the ArcGIS software package as the main vehicle for learning GIS. GIS geodatabases and maps will be produced from several different data sources. Emphasis will be placed on planning the design of GIS geodatabases which will permit specific types of queries. Credit may be earned for only one of the following: CMPSC 60 or GEOGR 60. (MJC ENSCI 109 OR GEOG 109) Transfer: CSU

2093 W Lec 5:30P - 8:35P Fir 1  
Earle R

### **CMPSC 61 GIS Mapping - Introduction to Fire Incident Mapping** 1.0

Recommended for Success: CMPSC 4, CMPSC 10. Students who take this course will learn how to apply their GIS skills in Fire Incident Mapping. Students will learn fire incident symbology, data standards and organization, fire incident map products, and responsibilities of a Fire GIS Specialist. Additionally, students will utilize GPS data that they have collected, convert them to shapefiles, and create a fire incident map. This course includes hands-on experience in fire incident mapping and data organization. Students will also be encouraged to present their final project in public at GIS Day events. Offered for Pass/No Pass grading only. Credit may be earned for only one of the following: CMPSC 61 or GEOGR 61. Transfer: CSU

2095 FS Lec 8:00A - 5:00P Fir 1  
Van Wagtenonk K  
03/28/2014 to 03/29/2014



For the latest class scheduling updates go to

**My Columbia**

[www.gocolumbia.edu](http://www.gocolumbia.edu)

## COMPUTER SCIENCE (continued)

### **CMPSC 62 GIS Mapping - Introduction to SAR GIS** 1.0

Students who take this course will learn how to apply their GIS skills in Search and Rescue (SAR) Mapping. Students will learn SAR incident symbology, data standards and organization, establishing incident locations, search segments, SAR incident map products, and responsibilities of a GIS specialist on SAR's and other critical incidents. The course will use a workflow and data model developed by SAR personnel that integrates with ArcGIS 10. Additionally, students will utilize GPS data that they have collected from GPS devices, convert them to shapefiles, and create team and briefing incident maps. During a full-day exercise, students will also live-track SAR teams using satellite tracking devices. This course includes hands-on experience in SAR incident Mapping and data organization. Credit may be earned for only one of the following: CMPSC 62, SAR 62, or GEOGR 62. Offered for Pass/No Pass grading only. Transfer: CSU

**2289 FSSU Lec 10:00A - 4:00P Fir 1**  
**Durkee G**  
04/11/2014 to 04/13/2014

### **CMPSC 70 Introduction to Raster-Based GIS** 3.0

Recommended for Success: CMPSC 59, GEOGR 59, CMPSC 60, or GEOGR 60. This course uses the ArcGIS ArcView software along with the Spatial Analyst and 3D extensions to explore the use of raster GIS data in analysis and visualization. Topics include terrain analysis, hydrologic analysis, suitability analysis, and 3D modeling. The course consists of a combination of lectures, demonstrations, hands-on exercises, and a student project. Credit may be earned for only one of the following: CMPSC 70 or GEOGR 70. Transfer: CSU

**2097 M Lec 5:30P - 8:35P Fir 1**  
**Tolhurst J**

### **CMPSC 98AX GIS and Making Maps: The Essential Skills** 1.0

This course is intended as a resource for emergency responders, outdoor enthusiasts and anyone interested in acquiring basic skills in understanding maps and using geospatial information and devices. Emphasis will be on developing a working knowledge of coordinate systems, establishing a location when given coordinates, finding coordinates from a location, and converting among coordinate systems to create a basic map using this information. Offered for Pass/No Pass grading only. Transfer: CSU


**2291 Durkee G**  
03/03/2014 to 03/28/2014

 This is an online section. See page 84.

### **CMPSC 98BM ArcGIS: Creating a Basic Map** 0.5

This course will teach the skills and tools to use ArcGIS 10 mapping software to create maps. It will be useful to anyone wanting a quick "how to" for using the industry standard ArcGIS to make and edit a map. Offered for Pass/No Pass grading only. Transfer: CSU

**2292 Durkee G**  
03/10/2014 to 03/24/2014

 This is an online section. See page 84.

### **CMPSC 150 Image Managing and Editing for Digital Photographers** 3.0

Recommended for Success: ART 47A or CMPSC 149. Using image management software created for professional photographers and designers, students will process, organize and edit large numbers of digital images. This course will teach a comprehensive workflow from importing, reviewing, organizing and enhancing digital images to publishing photos, creating web galleries and producing client presentations.


**2081 MW Lec 4:05P - 5:30P Tamarack Hall**  
**Christensen K 134**  
*Software used is ADOBE Lightroom.*

### **CMPSC 155 Access** 1.5

Develop database applications using Database Management (DBMS) software. Create databases, enter and edit data, query the database, create and use forms, create and print reports, customize fields and tables, manage data and files, use as database for word mail merge.

**1690 TH Lec 6:00P - 9:05P Buckeye 4**  
**Wright D**

03/13/2014 to 05/02/2014

 This is a hybrid section. See page 84.

### **CMPSC 162 Networking - CCNA 2: Routing Protocols and Concepts** 3.0

Prerequisite: CMPSC 41 with a grade of C or better, or P. Cisco Networking Academy Semester 2. An introduction to static and currently popular dynamic routing protocols as used in Wide Area Networks. Emphasis is on the configuration of routers and data communications equipment. Includes Cisco IOS, and the command interface. A laboratory component provides hands-on experience in the configuration of routers.

**1872 MW Lec 2:40P - 3:40P Fir 7**  
**AND MW Lab 3:40P - 5:15P Fir 7**  
**Smith D**



## COMPUTER SCIENCE (continued)

### **CMPSC 168 PC Operating System Installation and Support (A+)** 3.0

Prerequisite: CMPSC 167 with a grade of C or better, or P. The second of two courses designed to prepare students to pass the current CompTIA A+ exams. Includes theory and hands-on activities for installing and maintaining current Windows desktop installations. Also covers diagnosing and correcting operating system issues, and introduces connecting desktop PCs to LAN networks and the Internet.

2083 TTH Lec 2:40P - 3:40P Fir 7  
AND TTH Lab 3:40P - 5:10P Fir 7  
Newell T

## DRAFTING

### **DRAFT 50A Computer Assisted Drafting I** 3.0

Introduction to the use of the computer as a tool for accomplishing basic drafting tasks. Included topics: polar and rectangular coordinates, lines, polygons, layers, blocks, editing, hatches, dimensioning, orthographic projections, isometric drawing, layout view, plotting, and an introduction to 3-D. (MJC ENGTC 210 and 211) Transfer: CSU

2099 TTH Lec 5:30P - 6:30P Fir 1  
AND TTH Lab 6:40P - 8:10P Fir 1  
Nugier C

### **DRAFT 50B Computer Assisted Drafting II** 3.0

Prerequisite: DRAFT 50A with a grade of C or better, or P. Intermediate to advanced features of AutoCAD through creation of 3-D drawings. Included topics: customizing the AutoCAD environment, use of digitizer tablet, 3-D surfaces, solids modeling, elevated plane, extrusions, revolution, shading, rendering, scenes, lighting, textures, user coordinate system, views and ports, exporting of drawing, external databases. Transfer: CSU

2100 TTH Lec 5:30P - 6:30P Fir 1  
AND TTH Lab 6:40P - 8:10P Fir 1  
Nugier C

## DRAMA

### **DRAMA 10 Introduction to the Theatre** 3.0

Provides an introduction to the art of theatre, surveying the roles of the playwright, the director, the actor, the designers, the producer, the critics and the audience. This course investigates the variety of theatrical styles observed in contemporary theatre, compares live theatre with the electronic forms, and assesses the value of theatre in modern society. This course is designed to promote the student's greater understanding and enjoyment of the theatrical form. Field trips may be required. (MJC THETR 100) Transfer: UC/CSU

1184 M Lec 6:00P - 9:05P Dogwood 1  
Bilotti D

### **DRAMA 43 Acting-Directing** 3.0

Recommended for Success: DRAMA 42. A workshop in techniques of both acting and directing with specific focus upon the production of short scenes from a variety of theatrical genres. Transfer: UC/CSU

0505 MW Lec 11:20A - 12:25P Dogwood 1  
AND MW Lab 12:25P - 1:50P Dogwood 1  
Bilotti D

## EARTH SCIENCE

### **ESC 5 Physical Geology** 4.0

Recommended for Success: ENGL 1A. The study of the earth, its materials, structures, and processes. Erosion and deposition by streams, wind, waves and glaciers; mountain building and volcanoes at subduction zones, and rifting of the earth's plates at mid-ocean ridges; tracing the energy from the sun and from the earth's interior as it drives all of the processes of change on earth; the study of life on earth, past and present; the search for valuable minerals and building materials from the earth. Field trips may be required. (MJC GEOL 161) Transfer: UC/CSU

0246 TTH Lec 8:15A - 9:40A Sugar Pine 107  
AND TTH Lab 9:40A - 11:05A Sugar Pine 107  
Tolhurst J

*Selected class meetings may be held at alternate locations within the college district.*

### **ESC 10 Environmental Geology** 3.0

Recommended for Success: Eligibility for ENGL 1A. Students will be introduced to environmental geology, which includes the study of hazards associated with seismicity, mass wasting, flooding, coastal processes, and volcanism. Resource and pollution issues will be discussed in the context of population pressures. Global climate change and ozone depletion/hole are also covered. Students will learn to conduct geologic research and will work collaboratively with peers inquiring about geo-environmental issues. Transfer: UC/CSU

1636 T Lec 6:00P - 9:05P Sugar Pine 107  
White G

## EARTH SCIENCE (continued)

### ESC 22 Historical Geology 3.0

This course will provide an introduction to the origin, development, and evolution of the earth and its inhabitants. The course covers the 4-billion-year history of life on earth, as interpreted from the geologic and fossil record. The course will emphasize the diversity of life through geological time, including the origin, evolution, and extinction of the major groups of animals and plants. In addition, we will assess impacts of changing landscapes and geologic environments on the history of life. Lectures will be augmented with overhead transparencies, slides, and films. Through the course, students will learn to critically think as geologists and paleontologists do in order to solve geologic, paleontologic, and evolutionary problems. Topics include the study of fossils and rocks, evolution, continents and ocean basins, geologic time, plate tectonics, climate change, and mass extinctions. Intended audience: This course is a general science class, intended to satisfy general education requirements for non-majors. Field trips required. Transfer: UC/CSU

1753 W Lec 8:00A - 11:05A Sugar Pine 107  
Tolhurst J

### ESC 25 Geology of the National Parks 3.0

Recommended for Success: Eligibility for ENGL 1A. The study of the earth's surface in relation to the formation of our National Parks. What part glaciation, erosion, volcanism, and other mountain-building processes play in the formation of the National Parks. Field trips may be required.

2445 M Lec 8:00A - 11:05A Sugar Pine 207  
Staff

### ESC 33 Introduction to the Earth 4.0

This course is intended to provide an introduction to physical earth processes as studied through the disciplines of geology, oceanography, astronomy, and meteorology. Lectures will be augmented with overhead transparencies, slides, and films. Through the course, students will learn to critically think as geologists, oceanographers, meteorologists, and astronomers do in order to solve earth science problems. Topics include the study of rocks and minerals, mountain building, earthquakes and volcanoes, sea floor spreading, ocean and shoreline features, planets and stars, weather, and climate. Intended audience: This course is a general science class, intended to satisfy general education requirements for non-majors. Field trips may be required. (MJC EASCI 161) Transfer: UC/CSU

1616 MW Lec 6:00P - 7:25P Sugar Pine 107  
AND MW Lab 7:35P - 9:00P Sugar Pine 107  
White G

### ESC 35DV Geology of Death Valley 2.0

A field study of Death Valley's selected geologic features and related Earth Science topics, including coverage of the California State Earth Science Standards. A one- to seven-day field trip will be taken with possible pre- and post-classroom sessions. Transfer: CSU

1618 T Lec 6:00P - 7:30P Sugar Pine 126  
AND THFSSU Lec 8:00A - 5:00P Field Location  
Tolhurst J

01/14/2014 to 01/26/2014

All students must attend an orientation session on Tuesday 1/14 at 6:00P in Sugar Pine 126. A four-day field trip will take place 1/23-1/26. See instructor's web page for more information.

### ESC 35LV Geology of the Long Valley Caldera 2.0 County

A field study of the Long Valley Caldera and surrounding area's selected geologic features and related Earth Science topics, including coverage of the California State Earth Science Standards. A one- to seven-day field trip will be taken with possible pre- and post-classroom sessions. Transfer: CSU

2446 M Lec 6:00P - 7:30P Sugar Pine 114  
AND THFSSU Lec 8:00A - 5:00P Field Location  
Putnam R

03/24/2014 to 04/06/2014

All students must attend an orientation session on Monday 3/24 at 6:00P in Sugar Pine 114. A four-day field trip will take place 4/3-4/6. See instructor's web page for more information.

### ESC 35ML Geology of the Mother Lode 1.0

A field study of the Mother Lode's selected geologic features and related Earth Science topics, including coverage of the California State Earth Science Standards. A one- to seven-day field trip will be taken with possible pre- and post-classroom sessions. Transfer: CSU

1923 T Lec 6:00P - 7:30P Sugar Pine 115  
AND FS Lec 8:00A - 5:00P Field Location  
Tolhurst J

03/25/2014 to 03/29/2014

All students must attend an orientation session on Tuesday 3/25 at 6:00P in Sugar Pine 115. A two-day field trip will take place 3/28-3/29. See instructor's web page for more information.

### ESC 40 Descriptive Astronomy 3.0

Recommended for Success: Eligibility for ENGL 1A. A survey course in astronomy. Topics include history of astronomy, telescopes, solar system, stars, galaxies, origin of universe, and extraterrestrial life. Field trips may be required. Transfer: UC/CSU

2316 W Lec 5:30P - 8:35P Sugar Pine 114  
Tolhurst J

## EARTH SCIENCE (continued)

### ESC 42 Natural Hazards 3.0

This course is intended to provide an introduction to natural hazards as studied through the disciplines of geology, oceanography, astronomy, and meteorology. Lectures will be augmented with overhead transparencies, slides, and films. Through the course, students will learn to critically think as geologists, oceanographers, meteorologists, and astronomers do in order to solve earth science problems. Topics include the study of subsidence, flooding, mass wasting, wildfires, comet/asteroid impacts and extinctions, climate change, severe weather, coastal hazards, earthquakes, and volcanoes. Intended audience: This course is a general science class, intended to satisfy general education requirements for non-majors. Field trips may be required. Transfer: UC/CSU

2315 TH Lec 6:00P - 9:05P Sugar Pine 107  
Petersen M

### ESC 62 Meteorology 3.0

Recommended for Success: Eligibility for ENGL 1A. An introduction to the field of Meteorology. Topics include air pollution, clouds, precipitation, fog, storms, weather forecasting, the greenhouse effect, ozone depletion, and global warming. You will be asked to critically think as a meteorologist in order to solve meteorological problems. Field trips may be required. Transfer: UC/CSU

0657 M Lec 6:00P - 9:05P Oakdale High  
Meade R School B-1

## ECONOMICS

### ECON 11 Principles of Economics - Micro 4.0

Microeconomics emphasizes the study of individual units. The consumer: consumer behavior theory, demand and elasticity. The corporation: analysis of costs, theory of production, pricing factor inputs including wages, rent, and interest; the social implications of various market structures; and special economic problems. Further understanding of these concepts and topics will be aided by the use of current events both foreign and domestic, and enhanced instruction by the use of electronic communication and interactive material. (MJC ECON 102) Transfer: UC/CSU

0059 MWF Lec 8:00A - 9:15A Buckeye 3  
Barton R

2319 MW Lec 6:00P - 8:05P Buckeye 3  
Staff


## EMERGENCY MEDICAL SERVICES

### EMS 4 Emergency Medical Technician Training 7.0

Prerequisite: EMS 13 or EMS 157, with a grade of C or better, or P. Recommended for Success: EMS 175. An intensive course to assist the student in developing didactic and manipulative skills to recognize and treat illness and injuries in the pre-hospital environment. The course meets or exceeds both State of California and United States Department of Transportation's EMT-Basic National Standard Curriculum (DOT HS 808 149) training guidelines. This course prepares students for both State of California and National Registry certification as an Emergency Medical Technician. At the first class session students will be required to show verification of current CPR certification equivalent to current American Heart Association's Guidelines for Cardiopulmonary Resuscitation and Emergency Cardiovascular Care at the Healthcare Provider level as specified by State of California regulations. (MJC EMS 390) Transfer: CSU

0785 MW Lec 4:15P - 6:55P Oak Pavilion 9  
AND MW Lab 6:55P - 7:45P Oak Pavilion 9

Watterson S

 This is a hybrid section. See page 84.

Students must provide special equipment or supplies or may incur additional cost. Students are required to get a background check (paid for by student) and TB test (free through college nurse).

2318 W Lec 6:00P - 9:00P Field Location  
AND S Lab 9:00A - 3:00P Field Location


Murphy P

Class held at Murphys Fire Station #1 located at 67 Jones Street in Murphys.

### EMS 20 Basic Cardiology and Cardiac Dysrhythmias 3.0

An intensive course that details basic cardiac anatomy and physiology, normal vs. abnormal cardiac function, electrocardiogram recognition of cardiac dysrhythmias, and the interventions, including pharmacologic therapy, pertaining to specific dysrhythmias. Designed for both the health care professional and the pre-hospital care professional. Serves as an excellent ACLS review and/or prepares students for a paramedic training program. Meets requirements for "Monitor Technician" at many health care facilities. Current EMT certification and/or LVN or higher nursing certification is required for class eligibility. Transfer: CSU

0792 Podolsky L

 This is an online section. See page 84.

## EMERGENCY MEDICAL SERVICES (continued)

### EMS 107 Skills Refresher for Emergency Medical Technicians and First Responders 1.5

Prerequisite: EMS 4 or EMS 157, with a grade of C or better, or P, or equivalent medical certification level. This instructor-based course meets or exceeds the Skills Competency and Continuing Education requirements for EMT re-certification. Students will reacquire themselves with the equipment and skills used by Emergency Medical Technicians and/or First Responders in emergency medical situations. The course is designed to update existing EMT and First Responder certifications as well as provide continuing education (CE) for EMT and First Responder certificated personnel. Note: Students who do NOT require skills competency verification and require ONLY instructor-based Continuing Education credits should consider EMS 109 (Online Emergency Medical Technician Refresher). Offered for Pass/No Pass grading only. May be repeated if information changes due to State/local government regulations; as required for employment; or to maintain employment.

2106 S Lec 8:00A - 5:00P Oak Pavilion 9  
Murray M  
04/12/2014 to 04/26/2014

### EMS 153 CPR and Basic First Aid 0.5

A basic course designed for the citizen who wishes to maintain or acquire Cardio-Pulmonary Resuscitation (CPR) and Basic First Aid certification, or who wishes to learn basic CPR and basic first aid techniques. Successful course completion results in Adult, Child and Infant CPR certification and Basic First Aid certification. Offered for Pass/No Pass grading only.

1369 S Lec 8:00A - 5:20P Oak Pavilion 9  
Fernandez G  
04/05/2014 ONLY

0788 S Lec 8:00A - 5:20P Oak Pavilion 9  
Fernandez G  
01/25/2014 ONLY


2500 S Lec 8:00A - 5:20P Stanislaus  
Fernandez G Culinary Arts  
02/01/2014 ONLY Institute

2501 S Lec 8:00A - 5:20P Stanislaus  
Fernandez G Culinary Arts  
02/22/2014 ONLY Institute


### EMS 157 Emergency Medical Responder and CPR 3.0

A basic course for emergency service workers (volunteer or professional) who may, in the performance of their duties, be responding to medical emergencies. Particular emphasis will be placed on situations unique in the rural setting. Stresses continuity of care through the approach to the patients and prioritization of their injuries/illnesses where advanced life support response is delayed or unavailable. Meets or exceeds United States Department of Transportation National Standard Curriculum, and State and local government requirements. (MJC EMS 350)

2293 TH Lec 6:00P - 8:35P Oak Pavilion 9  
Warner S/Murray M


 This is a hybrid section. See page 84.

2294 F Lec 9:00A - 11:35A Oak Pavilion 9  
Watterson S

 This is a hybrid section. See page 84.

2480 S Lec 9:00A - 3:00P Oak Pavilion 9  
Murray M


02/01/2014 to 03/29/2014

 This is a hybrid section. See page 84.

### EMS 165 Conversational Medical Spanish for Emergency Health Care Providers 3.0

This course is intended to develop fundamental conversational skills primarily for Emergency Health Care Providers and other health care providers. This course is not intended to replace or substitute for a course of study in a foreign language and is specific in its design and content. Basic dialogue and pattern practice will be the instructional method, emphasizing a medical question and answer format. The course will cover basic non-technical vocabulary, some specialized functional terms, idiomatic expressions and situational phrases used in medical Spanish. Also included will be cultural characteristics of the local population of Spanish speakers.

2499 T Lec 5:30P - 7:30P Stanislaus  
Watterson S Culinary Arts  
Institute

 This is a hybrid section. See page 84.

### EMS 175 EMS Skills Development 2.0

This course focuses on the development of basic skills needed for the operation of a variety of emergency medical equipment according to commonly accepted protocols. Sessions are designed to develop speed and accuracy in the application of equipment and enhance assessment and treatment techniques. Offered for Pass/No Pass grading only.

1900 T Lec 6:00P - 7:30P Oak Pavilion 9  
AND T Lab 7:40P - 9:00P Oak Pavilion 9

Murray M

# ENGLISH

## ENGL 1A Reading and Composition: 3.0 Beginning

Prerequisite: ENGL 151 with a grade of C or better, or P, or placement through the assessment process. Development of college-level reading and composition skills. Emphasis will be on applying techniques of critical analysis to reading, interpreting, writing, and conducting research. Writing emphasis will be on the expository essay, including the longer documented essay. Note: Students will complete writing assignments with a total minimum of 8,000 words by the end of the semester. (MJC ENGL 101) Transfer: UC/CSU

0261 MW Lec 8:00A - 9:25A Sequoia 1  
Staff

1582 MW Lec 9:40A - 11:05A Cedar 10  
Staff

0251 MW Lec 1:00P - 2:25P Maple 102  
Rivera R  
*This is a Blackboard Enhanced section. See page 84.*

2478 MW Lec 2:40P - 4:05P Sequoia 1  
Staff


1581 MW Lec 4:20P - 5:45P Maple 104  
Staff

0259 TTH Lec 9:40A - 11:05A Sugar Pine 214  
Staff


1937 TTH Lec 11:20A - 12:45P Sequoia 1  
Staff


0265 TH Lec 6:00P - 9:05P Sequoia 1  
Sledge R

0262 W Lec 6:00P - 9:05P Oakdale High  
Sledge R School E-6

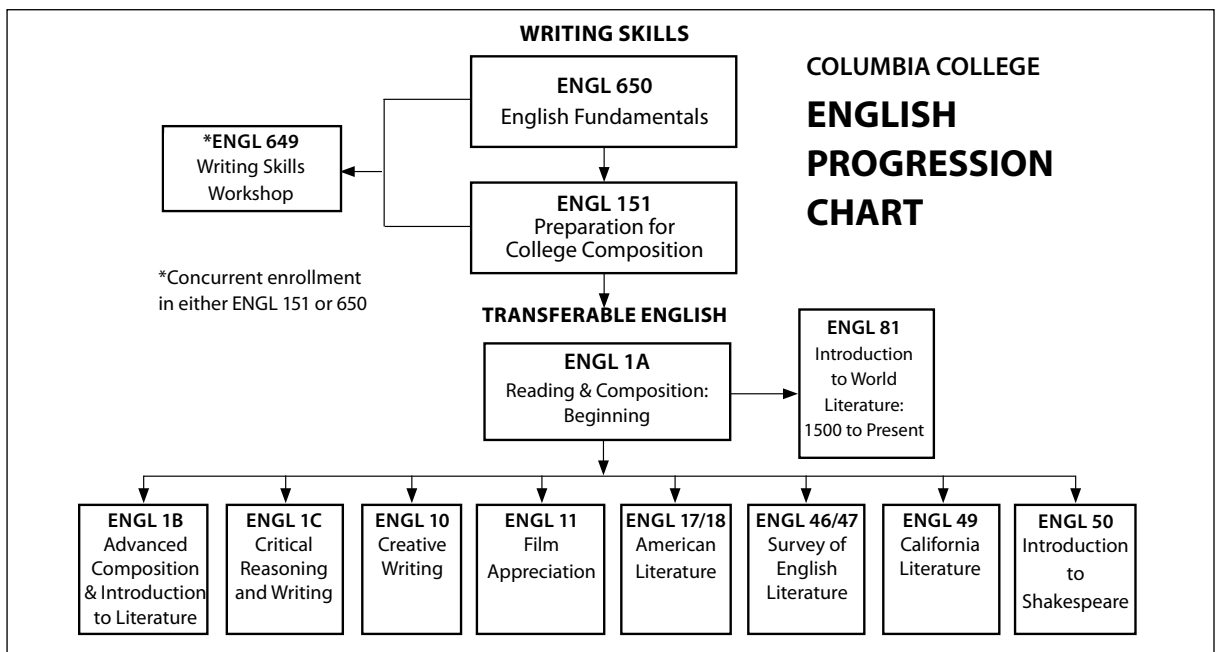
2461 W Lec 9:40A - 10:50A Sugar Pine 100  
Johnston C  
 *This is a hybrid section. See page 84.*

0253 Johnston C  
 *This is an online section. See page 84.*

1393 Smith A  
 *This is an online section. See page 84.*



For the latest class scheduling updates go to  
**My Columbia**  
[www.gocolumbia.edu](http://www.gocolumbia.edu)



**ENGL 1B**  
Advanced  
Composition  
& Introduction  
to Literature

**ENGL 1C**  
Critical  
Reasoning  
and Writing

**ENGL 10**  
Creative  
Writing

**ENGL 11**  
Film  
Appreciation

**ENGL 17/18**  
American  
Literature

**ENGL 46/47**  
Survey of  
English  
Literature

**ENGL 49**  
California  
Literature

**ENGL 50**  
Introduction  
to  
Shakespeare

## ENGLISH (continued)

### ENGL 1B Advanced Composition and Introduction to Literature 3.0

Prerequisite: ENGL 1A with a grade of C or better, or P. This transfer-level course introduces students to major literature genres: poetry, drama, short story, and long works of fiction from diverse cultural sources and perspectives. Students write approximately 8,000-10,000 words in critical essays, employing methods of literary analysis and research, demonstrating further development of reading, critical reasoning, and writing skills. (MJC ENGL 102) Transfer: UC/CSU

2462 MW Lec 9:40A - 11:05A Sugar Pine 214  
Pippa Tonnesen K  
*This is a Blackboard Enhanced section. See page 84.*


0268 MW Lec 11:20A - 12:45P Sugar Pine 100  
Staff


0269 MW Lec 1:00P - 2:25P Cedar 10  
Staff

0267 TTH Lec 9:40A - 11:05A Dogwood 1  
Pippa Tonnesen K  
*This is a Blackboard Enhanced section. See page 84.*

0270 TTH Lec 11:20A - 12:45P Cedar 10  
Staff

1235 W Lec 6:00P - 9:05P Fir 3  
Staff

2463 W Lec 11:20A - 12:30P Sugar Pine 100  
Johnston C  
 *This is a hybrid section. See page 84.*

0273 Johnston C  
 *This is an online section. See page 84.*

## FAQs

columbia  
college  
counseling


### What is orientation and why should I go?


Orientation is a process in which you learn about Columbia College, its programs and services, and how to effectively enroll in coursework at Columbia according to your educational goal. Refer to our Orientation page [gocolumbia.edu/student\\_services/orientation](http://gocolumbia.edu/student_services/orientation) for more information about upcoming sessions as well as an on-line option.

### ENGL 1C Critical Reasoning and Writing 3.0

Prerequisite: ENGL 1A with a grade of C or better, or P. Designed to develop critical thinking, reading, and writing beyond the level taught in ENGL 1A. Will focus on the development of logical reasoning, analysis, and argumentation in composition. Note: Students will complete writing assignments with a total minimum of 8,000 words by the end of the semester. (MJC ENGL 103) Transfer: UC/CSU


0527 MW Lec 8:00A - 9:25A Maple 104  
Rivera R  
*This is a Blackboard Enhanced section. See page 84.*

2464 TH Lec 11:20A - 12:30P Sugar Pine 100  
Johnston C  
 *This is a hybrid section. See page 84.*

0274 Rivera R  
 *This is an online section. See page 84.*

### ENGL 10 Creative Writing 3.0

Prerequisite: ENGL 1A with a grade of C or better, or P. Instruction and practice in writing poetry, fiction, drama, and non-fiction prose, including autobiography, essays, and articles. Students may choose to concentrate on one particular form. Analysis of contemporary works with respect to literary techniques. The class employs a workshop format. Transfer: UC/CSU

1610 Soto M  
 *This is an online section. See page 84.*


### ENGL 47 Survey of English Literature 3.0

Prerequisite: ENGL 1A with a grade of C or better, or P. Recommended for Success: ENGL 1B. English literature of the 19th and 20th Centuries. (MJC ENGL 138) Transfer: UC/CSU

2465 MW Lec 1:00P - 2:25P Sequoia 1  
Steele K  
*This is a Blackboard Enhanced section. See page 84.*

### ENGL 81 Introduction to World Literature: 1500 to Present 3.0

Recommended for Success: ENGL 1A or eligibility for ENGL 1A. Literature, including historical backgrounds, from the Renaissance to contemporary literatures of Asian, Middle Eastern, European, African, American, and Latin American cultures. Field trips may be required. (MJC ENGL 132) Transfer: UC/CSU


1638 Canty J  
 *This is an online section. See page 84.*

## ENGLISH (continued)

### ENGL 151 Preparation for College Composition 5.0

Prerequisite: ENGL 650 with a grade of C or better, or P, or placement through the assessment process. Developing writing skills. Students will implement writing process strategies in the production of 500-750 word essays. Course will emphasize techniques for developing descriptive, narrative, and expository essays, including essays requiring research and the inclusion of source materials, while demonstrating control over structural components of writing. Students will also develop critical reading skills and information-gathering competency. Satisfactory completion of this course will prepare students for ENGL 1A. Note: Concurrent enrollment in ENGL 649 will complement studies in ENGL 151. (MJC ENGL 50)

1052 M Lec 8:40A - 11:05A Sugar Pine 200  
Steele K

 This is a hybrid section. See page 84.

2460 MW Lec 9:40A - 12:05P Maple 104  
Rivera R

This is a Blackboard Enhanced section. See page 84.


1059 MW Lec 1:00P - 3:25P Cedar 10  
Soto M

1076 TTH Lec 9:40A - 12:05P Cedar 10  
Soto M

1056 TTH Lec 1:00P - 3:25P Cedar 10  
Soto M

1988 TTH Lec 1:50P - 4:15P Maple 104  
Bonjean-Coleman R  
This course is part of the First Semester Experience.  
See page 80.

1057 MW Lec 6:00P - 8:25P Sugar Pine 200  
Bonjean-Coleman R

1613 Smith A  
 This is an online section. See page 84.

### ENGL 649 Writing Skills Workshop 1.0

Co-requisite: Enrollment in ENGL 151 or ENGL 650. Individual assistance for students enrolled in ENGL 151 or ENGL 650. Students will be assisted with prewriting, revision and proofreading strategies. The focus will be on encouraging students to identify their specific problems when completing writing assignments for ENGL 151/650. Offered for Pass/No Pass grading only.

2228 T Lec 2:40P - 3:45P Fir 3  
Staff  
02/03/2014 to 05/02/2014

### ENGL 650 English Fundamentals 3.0

Fundamentals of the writing process. Students will engage in the various stages of the writing process. Emphasis will be on improving writing fluency and grammatical skills, developing sentence structure, and proofreading strategies within the context of brief 250-500 word essays. Instruction will include using word processing for writing. (MJC ENGL 49)

1577 MW Lec 2:40P - 4:05P Sugar Pine 214  
Rivera R

## ENTREPRENEURSHIP

### ENTRE 103 Financial Management for Entrepreneurs 2.0

The importance and impact of funding sources for an entrepreneurial venture. This will be accomplished by reviewing the impact of venture capital in every phase of the business venture from idea to exit, including planning, teambuilding, protecting intellectual capital, identifying funding sources, raising money, writing funding agreements, and managing through to an initial public offering (IPO) or merger and acquisition. Additionally, the student will develop and present a funding proposal.

1560 TTH Lec 5:30P - 7:35P Maple 104  
Ponder I  
01/14/2014 to 03/06/2014

### ENTRE 104 Preparing Effective Business Plans 2.0

Designed to help students develop an effective written implementation plan for a new business venture, including the critical decisions and action steps that entrepreneurs must take in both planning and executing a new venture. The course focuses on "doing" rather than on mere facts about business development and business plan writing.

1561 TTH Lec 5:30P - 7:35P Maple 104  
Ponder I  
03/11/2014 to 05/01/2014

## FIRE TECHNOLOGY

### FIRE 1 Fire Protection Organization 3.0

Introduction to fire protection; career opportunities in fire protection and related fields; philosophy and history of fire protection; fire loss analysis; fire department as part of local government; laws and regulations affecting the fire service; fire service nomenclature; specific fire protection functions; basic fire chemistry and physics; introduction to fire protection systems; introduction to fire strategy and tactics. (MJC FSCI 301) Transfer: CSU

0957 T Lec 6:00P - 9:05P Redbud 2  
Warner S


2502 W Lec 6:00P - 9:05P Stanislaus  
Staff Culinary Arts  
Institute

## FIRE TECHNOLOGY (continued)

### FIRE 2 Fire Prevention Technology 3.0

Prerequisite: FIRE 1 with a grade of C or better, or P. Fundamental information regarding the history and philosophy of fire prevention, organization and operation of a fire prevention bureau, use of fire codes, identification and correction of fire hazards, and the relationship of fire prevention with fire safety education and detection and suppression systems. (MJC FSCI 302) Transfer: CSU

1730 Warner S

 This is an online section. See page 84.

### FIRE 4 Building Construction for Fire Protection 3.0

Prerequisite: FIRE 1 with a grade of C or better, or P. The study of the components of building construction that relate to fire safety. The elements of construction and design of structures are shown to be key factors when inspecting buildings, pre-planning fire operations, and operating at fires. The development and evolution of building and fire codes will be studied in relation to past fires in residential, commercial, and industrial occupancies. (MJC FSCI 304) Transfer: CSU

1544 Warner S

 This is an online section. See page 84.

### FIRE 5 Fire Behavior and Combustion 3.0

Prerequisite: FIRE 1 with a grade of C or better, or P. Theory and fundamentals of how and why fires start, spread, and are controlled; an in-depth study of fire chemistry and physics, fire characteristics of materials, extinguishing agents, and fire control techniques. (MJC FSCI 305) Transfer: CSU

1377 M Lec 6:00P - 9:05P Redbud 2  
Wittmer W

### FIRE 29B Driver/Operator Training 1B 1.0

Prerequisite: FIRE 29A with a grade of C or better, or P, or Firefighter I Certificate or Volunteer Firefighter certification or equivalent. Designed to provide the student with information and skills on Pump Techniques and Operations including basic inspection and maintenance. May be repeated if information changes due to State/local government regulations; as required for employment; or to maintain employment. Offered for Pass/No Pass grading only. (CC FIRE 29A & FIRE 29B = MJC FSCI 364) Transfer: CSU

2111 F Lec 6:00P - 10:00P Maple 104  
AND SSU Lab 8:00A - 5:00P Maple 104  
Rhoades K

03/21/2014 to 03/30/2014

Students must be prepared to pay a certification fee of \$80 and \$20 textbook fee on or before the first day of class to the Business Office.

### FIRE 50 Low Angle Rope Rescue 1.5

This course is designed to take the student to the basic skill and knowledge levels of Low Angle (not vertical) Rope Rescue. Topics will include, but are not limited to: basic rappelling, rescue of ambulatory and non-ambulatory persons with an emphasis on safety and teamwork. Topics reflect current Urban Search and Rescue and California State Fire Training standards and equipment. Successful students will be certified in Low Angle Rope Rescue by the California State Fire Marshal's Office. Credit may be earned for only one of the following: FIRE 50 or SAR 50. Offered for Pass/No Pass grading only. (CC FIRE 7, FIRE 50, FIRE 101, FIRE 106, FIRE 108 & FIRE 110 = MJC FSCI 362 & FSCI 363)

MATERIALS FEE: \$50.00

2108 FSSU Lec 8:00A - 5:00P Cedar 10  
Palmer B

03/07/2014 to 03/09/2014

Students must provide leather gloves for hand protection. Columbia College will provide a helmet for head protection. Leather hiking or safety boots recommended. Students who want to receive a California State Fire Marshal certification must be prepared to pay an additional fee of \$20 on or before the first day of class to the Business Office.

### FIRE 51 High Angle Rope Rescue 1.5

Prerequisite: FIRE 50 or SAR 50, with a grade of C or better, or P. This course is designed to take the student from the basic skill levels of Low Angle (non-vertical) Rope Rescue Certification to the more complex rappelling and rope rescue skills found in High Angle (vertical) Rope Rescue situations. This course will reflect current Urban Search and Rescue and California State Fire Training standards. Offered for Pass/No Pass grading only. Credit may be earned for only one of the following: FIRE 51 or SAR 51. Transfer: CSU

2110 F Lec 6:00P - 10:00P Redbud 2  
AND FSSU Lec 8:00A - 5:00P Sierra  
Palmer B Conservation  
Center

03/21/2014 and 04/11/2014 to 04/13/2014

All students must attend an orientation session on Friday, 3/21 at 6:00P in Redbud 2. Background checks are required for access to the training site at Sierra Conservation Center. Students must provide leather gloves for hand protection. Columbia College will provide a helmet for head protection. Leather hiking or safety boots recommended.



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## FIRE TECHNOLOGY (continued)

### FIRE 101 Firefighter I Academy 16.0

Prerequisites: EMS 157 and HHP 55A with grades of C or better, or P, or concurrent enrollment in EMS 157 and HHP 55A. This course is designed for students who desire to enter the firefighting field and meet requirements, units A-X, for the California State Firefighter 1 certification. Upon successful completion of the course, the student is then responsible for completing the required field experience with Fire Department verification (either six months full-time or one year part-time or volunteer) before submitting an application to the State. Curriculum for the fire academy includes firefighting skills, safety, incident management systems, operations, manipulative skills, tools and equipment, emergency scene operations, fire prevention, and investigation. Additional certifications include I-100, I-200, I-700.a, S-130, S-133, S-134, S-190, L-180, Seasonal Wildland Firefighter, Basic Land Navigation, Auto Extrication, Low Angle Rope Rescue, Hazardous Materials Full FRO, Firefighter Safety and Survival, Confined Space Awareness, and Basic Power Saw Safety. Note: Students must have a medical release for the course to engage in strenuous physical lifting, carrying, and related activities. Field trips required.

2298 M	Lec	8:00A - 10:30A	Redbud 2
AND M	Lab	11:00A - 4:00P	Field Location
AND TTH	Lec	9:40A - 11:00A	Redbud 2
AND TTH	Lab	11:30A - 4:00P	Field Location
AND WF	Lec	8:00A - 11:30A	Redbud 2
AND WF	Lab	12:00P - 5:00P	Field Location

Warner S

*Field trips required or selected class meetings will be held at alternate locations. Students must provide special equipment or supplies or may incur additional cost. EMS 157 and HHP 55A are co-requisites of FIRE 101 (unless you have previously taken and passed these courses). To register for FIRE 101, you must first register for the co-requisite classes.*

### FIRE 106 Hazardous Materials First Responder Operational 1.0

Meets requirements of CAL-OSHA for training of emergency responders to hazardous materials incidents, per CFR 1910.120(q)(6)(ii) and Title 8 California Code of Regulations 5192(q)(6)(B). Includes awareness and recognition of potential hazards, and procedures to insure safety of emergency personnel, the public and the environment. Offered for Pass/No Pass grading only.

1877 FS	Lec	8:00A - 5:00P	Cedar 10
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Rhoades K

04/04/2014 to 04/05/2014

*Students must be prepared to pay a certification fee of \$5 on or before the first day of class to the Business Office.*

### FIRE 108 Confined Space Awareness 0.5

Prepares students to identify and safely consider operations in and around defined "confined spaces." Meets the requirements of CAL-OSHA Title 8 for "Confined Space Awareness Level" training. Offered for Pass/No Pass grading only.

2056 S	Lec	8:00A - 5:00P	Redbud 2
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Warner S

03/29/2014 ONLY

*Students must be prepared to pay a certification fee of \$20 and \$15 textbook fee on or before the first day of class to the Business Office.*

### FIRE 110 ICS 200 - Basic Incident Command System 1.0

Introduces students to the principles and features associated with the Incident Command System. Offered for Pass/No Pass grading only.

1879 SSU	Lec	8:00A - 5:00P	Redbud 2
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Warner S

03/01/2014 to 03/02/2014

*Students must be prepared to pay a certification fee of \$20 on or before the first day of class to the Business office.*

### FIRE 111 Basic Power Saw Safety 1.0

Power Saw Safety is aligned with State Fire Marshal S-212 to provide instruction on the function, maintenance and use of internal combustion engine powered chain saws, and their tactical fire application. Instruction will support entry-level training for firefighters with little or no previous experience in operating a chain saw, providing hands-on experience in maintaining power saws.

1829 SSU	Lec	8:00A - 5:00P	Redbud 2
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Toy J

03/15/2014 to 03/16/2014

## FORESTRY TECHNOLOGY

### FORTC 153 Forest Surveying 3.0

Objectives and methods of forest surveying. Use of basic forest surveying instruments. Application of hand and staff compass, engineer's tape, clinometer, abney, dumpy and hand levels, engineer's transit (theodolite), and total station. Field recording techniques, laboratory computations and map drafting. Field trips may be required.

1876 TTH	Lec	1:00P - 2:05P	Sugar Pine 107
AND TH	Lab	2:15P - 5:05P	Sugar Pine 107

Mc Nicol L

*Selected class meetings may be held at alternate locations.*

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## FORESTRY TECHNOLOGY (continued)

### **FORTC 165 Fire-Fuels Management** 3.0

Fundamentals of fire-fuels management, including: objectives of fuels reduction, preliminary surveys and reports, prescriptions for fuels reduction, and techniques for carrying out fuels reduction. Field trips may be required.

2481 F Lec 9:00A - 12:05P Sugar Pine 107  
Hofstra T

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## GEOGRAPHY

### **GEOGR 12 Cultural Geography** 3.0

Examines humankind's relationship with the environment using multidisciplinary perspectives and techniques. Historical and contemporary patterns of cultural-enviro adaptations, the landscape of cultural diversity, demography and mobility, political organization, the process of urbanization, and economic organization will be emphasized. (MJC GEOG 102) Transfer: UC/CSU

0285 MW Lec 9:40A - 11:05A Fir 3  
Hamilton W

### **GEOGR 15 Physical Geography** 3.0

An introduction to selected aspects of the earth's physical environment (landforms, weather, climate, soils, and vegetation) and the processes and conditions giving rise to their worldwide distribution. The study of the earth as the home of man. (MJC GEOG 101) Transfer: UC/CSU

9316 MW Lec 8:00A - 9:25A Cedar 1  
Hamilton W

### **GEOGR 57 GIS Data Management - Introduction to Geodatabase** 1.0

Recommended for Success: CMPSC 4, CMPSC 10. Students who take this course will learn to use the ArcGIS Geodatabase format for management of spatial data. Students will be introduced to the concepts of database design and system architecture using ArcGIS software. Concepts covered include: introduction to the geodatabase; metadata; geodatabase vs. shapefile formats; overview of ArcGIS data models; feature datasets and feature classes; editing a geodatabase; personal geodatabase vs. multi-user geodatabase; domains and validation rules; and relationships and subtypes. Credit may be earned for only one of the following: GEOGR 57 or CMPSC 57. Transfer: CSU

2285 F Lec 10:00A - 4:00P Fir 1  
Mutch E  
02/21/2014 to 03/07/2014

### **GEOGR 58 GIS - ArcView** 1.0

Introduction to practical application of ArcView software; importation of GIS data, display, visualization, exploration, query, analysis, and production of hard-copy maps and reports. Students will be guided through a complete sequence of application fundamentals similar to what would normally be used in displaying, analyzing, and plotting a standard ArcView GIS application. Credit may be earned for only one of the following: GEOGR 58 or CMPSC 58. Offered for Pass/No Pass grading only. Transfer: CSU

2287 FSSU Lec 10:00A - 4:00P Fir 1  
Schmidt J  
01/24/2014 to 01/26/2014

### **GEOGR 60 Introduction to ArcGIS** 3.0

An introduction to fundamental Geographic Information Systems (GIS) concepts. Students will be introduced to the ArcGIS software package as the main vehicle for learning GIS. GIS geodatabases and maps will be produced from several different data sources. Emphasis will be placed on planning the design of GIS geodatabases which will permit specific types of queries. Credit may be earned for only one of the following: GEOGR 60 or CMPSC 60. (MJC GEOG 109 or ENSCI 109) Transfer: CSU

2094 W Lec 5:30P - 8:35P Fir 1  
Earle R

### **GEOGR 61 GIS Mapping - Introduction to Fire Incident Mapping** 1.0

Recommended for Success: CMPSC 4, CMPSC 10. Students who take this course will learn how to apply their GIS skills in Fire Incident Mapping. Students will learn fire incident symbology, data standards and organization, fire incident map products, and responsibilities of a Fire GIS Specialist. Additionally, students will utilize GPS data that they have collected, convert them to shapefiles, and create a fire incident map. This course includes hands-on experience in fire incident mapping and data organization. Students will also be encouraged to present their final project in public at GIS Day events. Offered for Pass/No Pass grading only. Credit may be earned for only one of the following: GEOGR 61 or CMPSC 61. Transfer: CSU

2096 FS Lec 8:00A - 5:00P Fir 1  
Van Wagtenonk K  
03/28/2014 to 03/29/2014

## GEOGRAPHY (continued)

### **GEOGR 62 GIS Mapping - Introduction to SAR GIS** 1.0

Students who take this course will learn how to apply their GIS skills in Search and Rescue (SAR) Mapping. Students will learn SAR incident symbology, data standards and organization, establishing incident locations, search segments, SAR incident map products, and responsibilities of a GIS specialist on SAR's and other critical incidents. The course will use a workflow and data model developed by SAR personnel that integrates with ArcGIS 10. Additionally, students will utilize GPS data that they have collected from GPS devices, convert them to shapefiles, and create team and briefing incident maps. During a full-day exercise, students will also live-track SAR teams using satellite tracking devices. This course includes hands-on experience in SAR incident Mapping and data organization. Credit may be earned for only one of the following: GEOGR 62, CMPS 62 or SAR 62. Offered for Pass/No Pass grading only. Transfer: CSU

**2290 FSSU** Lec 10:00A - 4:00P Fir 1  
**Durkee G**  
04/11/2014 to 04/13/2014

### **GEOGR 70 Introduction to Raster-Based GIS** 3.0

This course uses the ArcGIS ArcView software along with the Spatial Analyst and 3D extensions to explore the use of raster GIS data in analysis and visualization. Topics include terrain analysis, hydrologic analysis, suitability analysis, and 3D modeling. The course consists of a combination of lectures, demonstrations, hands-on exercises, and a student project. Credit may be earned for only one of the following: GEOGR 70 or CMPS 70. Transfer: CSU


**2098 M** Lec 5:30P - 8:35P Fir 1  
**Tolhurst J**

## GUIDANCE

### **GUIDE 1 Career/Life Planning** 3.0

Recommended for Success: ENGL 151. Designed to help students formulate and experience an organized and realistic approach to career planning. Development of awareness and objectivity in the areas of interests, skills, values, aptitudes, etc. Introduction to sources of occupational information, and occupational trends. Introduction to decision-making, career information, career trends and social influences on career-life planning. May include administration of standardized interest and personality inventories. (Satisfies MJC Guidance requirement.) Transfer: CSU

**2323 TTH** Lec 2:40P - 4:05P Juniper 4  
**Fox M**  
*This is a Blackboard Enhanced section. See page 84.*

**0287 Olson J**  
 *This is an online section. See page 84.*

### **GUIDE 10A Introduction to Helping Skills** 1.5

An introduction to the skills basic to a helping relationship. Includes instruction in the concepts and principles, as well as experience in the use of specific skills. Designed for non-professional and paraprofessional helpers such as peer tutors, peer counselors, advisors, managers, supervisors etc. Offered for Pass/No Pass grading only. Transfer: CSU

**0506 M** Lec 6:00P - 10:15P Aspen 1  
**Kolstad A**  
01/13/2014 to 03/03/2014

### **GUIDE 10B Intermediate Helping and Basic Conflict Management Skills** 1.5

Prerequisite: GUIDE 10A with a grade of C or better, or P. Continued instruction in concepts, principles and skills basic to a helping relationship. Experience in the specific use of each skill. Includes an emphasis on both helping skills and introduction to the skills unique to the process of conflict management. Designed for non-professional and paraprofessional helpers, especially in informal settings, including, but not limited to: friend-friend, parent-child, teacher-student, supervisor-employee, worker-client, and peer counseling situations. Offered for Pass/No Pass grading only. Transfer: CSU

**0507 M** Lec 6:00P - 9:10P Aspen 1  
**Kolstad A**  
03/10/2014 to 04/28/2014

### **GUIDE 11 Occupational Exploration** 1.0

An introduction to occupational exploration and career choice. Emphasis will be on linking personal information (interests, values and abilities) obtained through career assessment, with information about occupations, researched by using Career Center and online resources. Career choices will be clarified and corresponding and appropriate educational goals will be selected. Students will receive instruction in goal setting, decision making, and problem solving as they relate to the development and fulfillment of educational and career plans. (MJC GUIDE 111) Transfer: CSU

**2322 TTH** Lec 1:00P - 3:50P Cedar 10  
**Harris R**  
02/25/2014 to 03/13/2014

### **GUIDE 25 Job Search and Interviewing Strategies** 1.0

Understanding the employment process and development of written and oral presentation skills necessary to conduct an efficient and effective job search. Topics include: the hiring process, employer perspectives, the hidden job market, networking, research, job search planning, making employer contacts and interviewing. Development of a master application, resume and letter of application. Credit may be earned for only one of the following: BUSAD 25 or GUIDE 25. (MJC GUIDE 112) Transfer: CSU

**2280 TTH** Lec 1:00P - 3:50P Sugar Pine 115  
**Fitzwater J**  
03/11/2014 to 03/27/2014

## GUIDANCE (continued)

### GUIDE 100 College Success

3.0

Prepares students for the challenges of college-level coursework. Designed for students new to college, re-entering college, or those on academic or progress probation status who would like to develop or improve skills and abilities necessary for college success. Topics include: values, goal-setting methods, time management, note-taking techniques, textbook reading strategies, test-taking skills, memorization, critical and creative thinking, learning styles, and the use of technology for academic success. Familiarizes students with the College, its curriculum, facilities, services, policies, programs and degree and transfer requirements. (MJC STSK 78)

2493 M Lec 4:00P - 7:10P Sonora High  
Staff School H-18  
*This is a Blackboard Enhanced section. See page 84.*

1986 MW Lec 2:40P - 4:05P Sugar Pine 114  
Sullivan W

1989 TTH Lec 10:30A - 11:55A Maple 104  
Miller D  
*This course is part of the First Semester Experience. See page 80.*

### GUIDE 107 Orientation to College

0.5

A course designed to prepare the student to meet the demands of college rigor. Especially beneficial to new students to Columbia College and students returning to college after a long absence, this course addresses policies and practices at Columbia College. Topics covered include academic renewal, grading policy, advanced placement credit, academic and progress probation and dismissal, educational planning, requirements for the associate degree, certificates of achievement and transfer to the four-year university, and other topics related to the use of the programs and services at Columbia College. Such topics include financial aid, tutoring, counseling, special services for students with disabilities, career planning and job placement. Offered for Pass/No Pass grading only. (MJC GUIDE 110)

2321 F Lec 1:00P - 4:00P Aspen 1  
Castle C  
03/07/2014 to 03/21/2014



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## HEALTH & HUMAN PERFORMANCE


### HHP 1 Introduction to Physical Education, Fitness and Sport

3.0

Introduces students to the fields of physical education, exercise science, sports medicine, and related fields - presenting the history and trends in physical education and the human movement sciences. Explores key concepts, programs, professions, problems and issues, and essential background knowledge needed for career success. Historical discussions and evolving philosophies of physical education and sport are followed with current trends and themes. Transfer: UC/CSU

1766 Rien N

02/17/2014 to 04/24/2014


 *This is an online section. See page 84.*

### HHP 2 Women's Health Issues

3.0

This course will focus on the politics of women's health and medical care issues in the United States including analyzing, as well as establishing methods of utilizing, the health care system with specific attention to women as health care consumers; contemporary concerns about the health care delivery system with emphasis on the gender politicalization of the social, physical, emotional, intellectual, spiritual and environmental aspects of gender-health. (MJC HE 111) Transfer: UC/CSU

1564 Frost-Leaird E

 *This is an online section. See page 84.*


### HHP 5 Introduction to Recreation and Leisure

3.0

This course provides students a detailed overview of the history, developments, and current trends in leisure and recreation studies. It reflects recent social change and challenges facing recreation industries in the 21st Century including: population shifts, technology and marketing. It also addresses the history of the parks movement and tourism/sport segments. This course is of interest to students of Hospitality and Human Performance (Recreation-related subjects). Credit may be earned for only one of the following: HHP 5 or HPMGT 10. Transfer: CSU

1571 Rien N

01/13/2014 to 02/13/2014

 *This is an online section. See page 84.*

### HHP 6A Lifetime Fitness Program I

2.0

Introduction to the fundamental principles and practices of scientific exercise conditioning, nutritional requirements, weight control techniques, coronary heart disease concepts, and considerations of preventive medicine. Basic exercise routine involves the circuit training system. Transfer: UC/CSU (Transfer credit limited. See a counselor.)

0535 T Lec 9:25A - 10:30A Oak Pavilion 12  
AND TTH Lab 8:00A - 9:25A Oak Pavilion 24  
Fabry M

*Students must provide special equipment or supplies or may incur additional cost.*

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**HEALTH & HUMAN PERFORMANCE** (continued)**HHP 6B Lifetime Fitness Program II** 1.0

Prerequisite: HHP 6A with a grade of C or better, or P.  
A continuation of the exercise principles and practices employing the circuit training system presented in Lifetime Fitness Program I with emphasis on improving fitness component levels, compliance, motivation, and increased awareness of sound nutritional practices. Transfer: UC/CSU (Transfer credit limited. See a counselor.)

0536 TTH Lab 8:00A - 9:25A Oak Pavilion 24  
Fabry M  
*Students must provide special equipment or supplies or may incur additional cost.*

**HHP 8B Step Aerobics** 1.0

Designed to improve cardiovascular endurance with an emphasis on step aerobics as a component of health. Transfer: CSU

0382 MW Lab 1:00P - 2:25P Oak Pavilion 24  
Walker A

**HHP 9 Circuit Cross-Training** 1.0

A comprehensive workout at an introductory level to achieve personal fitness goals through the use of cardiovascular and strength training systems. Transfer: UC/CSU (Transfer credit limited. See a counselor.)

0376 MW Lab 6:15A - 7:40A Oak Pavilion 24  
Kenna K

0544 MWF Lab 8:00A - 9:05A Twain Harte  
Perry M Fitness Center

0383 MW Lab 8:00A - 9:25A Oak Pavilion 24  
Walker A

0546 MWF Lab 9:15A - 10:20A Twain Harte  
Perry M Fitness Center

2165 MW Lab 4:20P - 5:45P Oak Pavilion 24  
Staff

0550 TTH Lab 6:00A - 7:25A Oak Pavilion 24  
Fabry M

1787 TTH Lab 9:00A - 10:25A Senior Center -  
Howell K Sonora

2388 TTH Lab 11:20A - 12:45P Oak Pavilion 26  
Juarez R

1206 TTH Lab 4:20P - 5:45P Oak Pavilion 24  
Mager D

0548 MWF Lab 4:45P - 5:50P Twain Harte  
Osterhout J Fitness Center

**HHP 10 Adaptive Physical Education** 1.0

Designed to offer individually prescribed fitness direction to the physically limited with emphasis on the improvements of cardiovascular, flexibility, and strength components. Transfer: UC/CSU (Transfer credit limited. See a counselor.)

0378 MWF Lab 8:30A - 9:35A Oak Pavilion 4  
Juarez R

0380 MWF Lab 10:00A - 11:05A Oak Pavilion 4  
Juarez R

0554 TTH Lab 11:20A - 12:45P Oak Pavilion 4  
Fabry M

**HHP 13B Cardiac Rehabilitation** 1.0

Prerequisite: HHP 13A. Designed to continue rehabilitation for the cardiac patient. Emphasis is placed on a higher level of cardiovascular functional capacity and reducing factors associated with coronary heart disease. Primary physician referral required. Transfer: CSU

1566 TTH Lab 7:00A - 8:25A Oak Pavilion 4  
Rios J

**HHP 16 Walking for Fitness** 1.0

Provides various methods of walking along with other exercises to achieve whole-body fitness. Emphasis is on cardiovascular efficiency, muscle endurance and strength, flexibility, and body composition. Transfer: CSU

2404 TTH Lab 11:20A - 12:45P Oak Pavilion 27  
Staff

**HHP 18A Yoga I for Better Health** 1.0

This is a beginning Yoga class using postures, breathing and relaxation techniques to increase flexibility, strength, balance and coordination. Transfer: UC/CSU (Transfer credit limited. See a counselor.)

*Students must provide special equipment or supplies or may incur additional cost.*

0567 TTH Lab 11:20A - 12:45P Alder 5  
Sturtevant D

2211 MW Lab 2:40P - 4:05P Alder 5  
Newman S

2407 MW Lab 4:20P - 5:45P Alder 5  
Maucere P

0568 TTH Lab 8:00A - 9:25A Alder 5  
Newman S

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**HEALTH & HUMAN PERFORMANCE** (continued)**HHP 18B Yoga II for Better Health** 1.0

Recommended for Success: HHP 18A. Intermediate yoga practice using more advanced postures, breathing, and relaxation techniques to further increase flexibility, strength, balance and coordination. Transfer: UC/CSU (Transfer credit limited. See a counselor.)

1045 TTH Lab 1:00P - 2:25P Alder 5  
Sturtevant D

0569 TTH Lab 9:40A - 11:05A Alder 5  
Newman S

**HHP 25 Jazz Dance** 1.0

Introduction to the fundamentals of jazz dance; designed to acquaint the student with basic technique in a cultural and historical context while developing strength, flexibility, and stylistic awareness. Transfer: UC/CSU (Transfer credit limited. See a counselor.)

2412 TTH Lab 2:40P - 4:05P Alder 5  
Staff

**HHP 38A Golf I** 1.0

Instruction and practice in fundamentals. Transfer: UC/CSU (Transfer credit limited. See a counselor.)

0572 TTH Lab 12:00P - 2:05P Mt. Springs  
Smith G Golf Course  
02/14/2014 to 04/24/2014

**HHP 38B Golf II** 1.0

Recommended for Success: HHP 38A. Instruction and practice in skills, rules and strategy. Transfer: UC/CSU (Transfer credit limited. See a counselor.)

0573 TTH Lab 12:00P - 2:05P Mt. Springs  
Smith G Golf Course  
02/14/2014 to 04/24/2014

**HHP 47A Soccer I** 0.5

Instruction, practice, and participation in game play. Emphasis on rules, individual skills, and strategy in the field. Transfer: UC/CSU (Transfer credit limited. See a counselor.)

0575 TTH Lab 4:20P - 5:45P Symons Field  
Fabry M  
02/25/2014 to 04/17/2014  
*Students must provide special equipment or supplies or may incur additional cost.*

**HHP 47B Soccer II** 0.5

Recommended for Success: HHP 47A. Instruction and practice in the advanced aspects of soccer. Emphasis on individual positioning and strategy of the game. Includes set plays and advanced skill builders. Transfer: UC/CSU (Transfer credit limited. See a counselor.)

0576 TTH Lab 4:20P - 5:45P Symons Field  
Fabry M  
02/25/2014 to 04/17/2014  
*Students must provide special equipment or supplies or may incur additional cost.*

**HHP 50A Tennis I** 1.0

Instruction and practice in fundamentals of Eastern grip tennis. Emphasis on development of sound ground strokes, serve, and volley. Includes rules, scoring, and game play in both singles and doubles tennis. Transfer: UC/CSU (Transfer credit limited. See a counselor.)

2408 MW Lab 1:00P - 3:10P Tennis Courts  
Maucere L  
02/10/2014 to 05/02/2014  
*Students must provide special equipment or supplies or may incur additional cost.*

**HHP 50B Tennis II** 1.0

Prerequisite: HHP 50A with a grade of C or better, or P. Instruction and practice in the advanced aspects of Eastern grip tennis. Emphasis on game play and development with individualized coaching and analysis for the more experienced player. Includes tactics and court coverage to encourage a more powerful game in both singles and doubles tennis. Transfer: UC/CSU (Transfer credit limited. See a counselor.)

2409 MW Lab 1:00P - 3:10P Tennis Courts  
Maucere L  
02/10/2014 to 05/02/2014  
*Students must provide special equipment or supplies or may incur additional cost.*

**HHP 53A Volleyball I** 1.0

Basic techniques with emphasis on offensive and defensive tactics of team play. Rules and intra-class competition included. Transfer: UC/CSU (Transfer credit limited. See a counselor.)

0388 TTH Lab 6:00P - 7:25P Oak Pavilion 23  
Osterhout J  
*Students must provide special equipment or supplies or may incur additional cost.*

## HEALTH & HUMAN PERFORMANCE (continued)

### HHP 53B Volleyball II 1.0

An intermediate level of skills and strategies for the experienced player; an introduction to power volleyball play. Transfer: UC/CSU (Transfer credit limited. See a counselor.)

0389 TTH Lab 6:00P - 7:25P Oak Pavilion 23  
Osterhout J

### HHP 53C Volleyball III 1.0

An advanced level of skills and strategies for the experienced player. Intra-class power play competition included. Transfer: UC/CSU

0390 TTH Lab 6:00P - 7:25P Oak Pavilion 23  
Osterhout J

### HHP 55A Fitness Training I for Firefighting 1.0

An introductory course designed to prepare students for the Candidate Physical Ability Test (CPAT) which is a requirement to become a firefighter in California. Training and conditioning will focus on specific agility, flexibility, muscle strength, muscle endurance, and cardiovascular activities for the CPAT and work-related duties. Emphasis on nutrition and maintaining a healthy lifestyle will be included. Transfer: CSU

2400 TTH Lab 8:00A - 9:25A Oak Pavilion 26  
Juarez R

### HHP 56A Weight Training I 1.0

Instruction in use of weights and body building equipment with emphasis on individual program development. Transfer: UC/CSU (Transfer credit limited. See a counselor.)

2495 MW Lab 9:40A - 11:05A Oak Pavilion 26  
Hoyt R

2410 MW Lab 2:40P - 4:05P Oak Pavilion 26  
Osterhout J

0399 TTH Lab 9:40A - 11:05A Oak Pavilion 26  
Juarez R

0581 TTH Lab 1:00P - 2:25P Oak Pavilion 26  
Howell K

### HHP 56B Weight Training II 1.0

Recommended for Success: HHP 56A or equivalent. Designed to help individuals accomplish a fine state of physical fitness through the use of "overload" equipment and progressive resistance exercises. Each person shall, with the counseling of the instructor, analyze particular needs and establish a program that will help accomplish these goals. Transfer: UC/CSU (Transfer credit limited. See a counselor.)

2496 MW Lab 9:40A - 11:05A Oak Pavilion 26  
Hoyt R

2411 MW Lab 2:40P - 4:05P Oak Pavilion 26  
Osterhout J

0400 TTH Lab 9:40A - 11:05A Oak Pavilion 26  
Juarez R

0582 TTH Lab 1:00P - 2:25P Oak Pavilion 26  
Howell K

### HHP 57 Body Sculpting 1.0

Provides an introduction to the active application of mechanical and anatomical principles. Emphasis is on muscular strength and endurance using free weights, resistance bands, and toning exercises. Transfer: UC/CSU (Transfer credit limited. See a counselor.)

1049 MW Lab 11:20A - 12:45P Oak Pavilion 27  
Juarez R

2164 TTH Lab 2:40P - 4:05P Oak Pavilion 26  
Howell K

### HHP 58 Ultimate Frisbee I 1.0

Designed to enhance the student's skills and abilities in Ultimate Frisbee. Emphasis will be placed on cardiovascular and muscular fitness. This course is progressive; the intensity increases as the individual improves abilities. Transfer: UC/CSU (Transfer credit limited. See a counselor.)

2401 MW Lab 3:15P - 5:25P Symons Field  
Parola T

02/17/2014 to 05/03/2014

*Students must provide special equipment or supplies or may incur additional cost.*

### HHP 59A Beginning Tai Chi 1.0

This is a beginning course in Tai Chi Chuan - Yang-style short form, 21 movements. Also included will be a history of Tai Chi and warm-up exercises. Transfer: UC/CSU (Transfer credit limited. See a counselor.)

2015 MW Lab 1:00P - 2:25P Alder 5  
Campana L



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## HEALTH & HUMAN PERFORMANCE (continued)

### HHP 60 Health and Fitness Education 3.0


Personal and community health: an understanding of contemporary health issues and problems with an emphasis on personal fitness and adjustment. An informative material survey contributing to a person's mental, physical, and social well-being. (MJC HE 110) Transfer: UC/CSU

2403 MW Lec 11:20A - 12:45P Oak Pavilion 12  
Staff

2477 Rien N  
02/17/2014 to 04/25/2014

 This is an online section. See page 84.

1573 Rien N  
01/13/2014 to 02/13/2014

 This is an online section. See page 84.

### HHP 61 Activities in Motor Development 1.0

Co-requisite: CHILD 40. Introduction and physical applications of gross motor activities and concepts across early childhood curriculum. Key components that ensure developmentally-appropriate physical activities for both children and staff will be identified along with the importance of collaboration with families and caregivers. Transfer: CSU

2406 TTH Lab 6:00P - 7:25P Oak Pavilion 27  
Walker A  
Must be taken with CHILD 40.

### HHP 62 Safety and First Aid Education 3.0


Theory and skills involved in the immediate and temporary care given to the victims of accidents and sudden illnesses. Covers American Red Cross Standard First Aid with CPR/AED-Adult/Child plus infant certificates available upon satisfactory completion of the course. (MJC HE 100) Transfer: UC/CSU (Transfer credit limited. See a counselor.)

2405 F Lec 11:20A - 2:25P Oak Pavilion 4  
Juarez R

### HHP 63 Sociology of Sport 3.0

Examines the history of sport and its political, social and economic impact on public opinion. Includes an investigation into the phenomenon of sport, including cultural stratification, race, gender, education, economics, politics and the mass media. Transfer: UC/CSU


2223 Parola T  
01/13/2014 to 03/23/2014

 This is an online section. See page 84.

### HHP 66 Mental Aspects of Sport 3.0

Theoretical, practical and mental aspects of sport, exercise, and rehabilitation settings. The influence of psychological variables on participation in sport and exercise. The influence of participation on psychological factors and well-being. Topics include motivation, anxiety, observational learning, imagery, exercise adherence, goal setting, and youth sport participation. Transfer: CSU


2417 Staff  
01/13/2014 to 03/21/2014

 This is an online section. See page 84.

### HHP 74 Introduction to Sport Management 3.0

Lecture: 3 hours Provides an introductory overview of professional sport management in North America. The political, historical, social, economic, and cultural impacts of sport management are explored. Topics include team management, organizational administration, legal issues, public relations, and facility management. Students will become familiar with career opportunities in the sports management field. Transfer: CSU

1930 Rien N  
02/17/2014 to 04/24/2014

 This is an online section. See page 84.

### HHP 76 Beginning Sports Conditioning 1.0

This is a course designed to expose the student to the various components of sport-related conditioning. The student will develop a theoretical knowledge of these components and will participate in activities that include jogging, running and plyometrics, as well as strength training and flexibility training. This class is for the athlete or student wishing to participate in a vigorous training program. May be repeated three times. Transfer: UC/CSU (Transfer credit limited. See a counselor.)

2497 MTWTH Lab 3:30P - 4:55P Oak Pavilion 27  
Hoyt R  
03/10/2014 to 05/02/2014

2167 TTH Lab 4:20P - 5:45P Oak Pavilion 26  
Osterhout J

### HHP 82 Varsity Basketball (Men) 1.5

Preparation and training for intercollegiate varsity basketball competition. Participation in contests with other colleges will be scheduled. Field trips required. May be repeated three times. Transfer: UC/CSU (Transfer credit limited. See a counselor.)

2050 MTWTH Lab 3:30P - 5:00P Oak Pavilion 23  
Hoyt R  
01/13/2014 to 03/08/2014



# HISTORY

## **HIST 14 World Civilizations: 1650 to Present 3.0**

Survey of world history from the middle of the seventeenth century to the present time. The theme of revolution will be illustrated by the Industrial Revolution, the democratic revolutions of the eighteenth century, and the Communist revolutions of the twentieth century. Contemporary problems in Asia, Africa, Central and South America will be placed in historical context. The contributions of women in history will be a special topic of study. (MJC HIST 107) Transfer: UC/CSU

**0294 MW Lec 11:20A - 12:45P Cedar 1**  
**Johnson T**

## **HIST 16 United States: to 1877 3.0**

Survey of the history of the United States from pre-European settlement to the end of Reconstruction. Important topics include: the Art and Science of History, pre-European civilizations, Colonization and Society, the War for Independence, Constitutional Development and Federalism, American Leadership, Westward Expansion, Industrialization and Economic Transformation, Urbanization, Sectional Conflicts and the Impending Crisis, Slavery and experiences of historically disadvantaged groups in the United States, relative to their geographic, economic, political, and social contexts. Political and historical developments particular to California and in relation to the federal government will be highlighted. (MJC HIST 101) (HIST 16, taken in conjunction with POLSC 10, satisfies Associate Degree and CSU requirements in United States History, Constitution, and American Ideals. Completion of HIST 16 and/or HIST 17 in combination with MJC HIST 101 or HIST 102 will not fulfill the requirement for CSU graduation.) Transfer: UC/CSU

**1942 MW Lec 11:20A - 12:45P Sugar Pine 126**  
**Van Zant S**

**0658 MW Lec 1:00P - 2:25P Sugar Pine 107**  
**Van Zant S**

**0295 TTH Lec 11:20A - 12:45P Cedar 1**  
**Johnson T**

## **HIST 17 United States: 1877 to Present 3.0**

Survey of the history of the United States from the end of Reconstruction to the present era. Course includes examinations of Reconstruction, Western Conquest, Federalism, Industrialization and Post-Industrialization, Urbanization, Foreign Relations, Social Movements, Major Wars, the Great Depression, Major Political and Institutional Developments, and Globalization. This course will also examine U.S. citizens' rights and obligations, with special attention given to the experiences of historically disadvantaged groups in the U.S. Political and historical developments particular to California and in relation to the federal government will be highlighted. (MJC HIST 102) (HIST 17, taken in conjunction with POLSC 10, satisfies Associate Degree and CSU requirements in United States History, Constitution, and American Ideals. Completion of HIST 16 and/or HIST 17 in combination with MJC HIST 101 or HIST 102 will not fulfill the requirement for CSU graduation.) Transfer: UC/CSU

**0296 MW Lec 9:40A - 11:05A Cedar 1**  
**Johnson T**

**1186 TTH Lec 11:20A - 12:45P Oak Pavilion 9**  
**Hamilton W**  
*This is a team-taught course. See instructor's website for more information.*

**1029 TTH Lec 2:40P - 4:05P Cedar 1**  
**Johnson T**

**1402 MW Lec 7:35P - 9:00P Bret Harte High**  
**Van Zant S School 52**

# HOSPITALITY MANAGEMENT

## **HPMGT 120 Safety and Sanitation 1.0**

Sanitation and safety principles and practices for the food service professional. Provides ServSafe certification from the National Restaurant Association.

**2216 F Lec 1:00P - 5:30P Maple 104**  
**AND S Lec 8:00A - 5:00P Maple 104**

**Boetzer J**  
01/17/2014, 01/24/2014 and 01/25/2014

**1898 F Lec 1:00P - 5:30P Maple 104**  
**AND S Lec 8:00A - 5:00P Maple 104**

**Boetzer J**  
02/28/2014, 03/07/2014 and 03/08/2014

## HOSPITALITY MANAGEMENT (continued)

### HPMGT 122 Restaurant Math 1.0

This is an arithmetic course for restaurant personnel. Students will be learning and applying basic math skills: addition, subtraction, multiplication, division, fractions, and percentages. There will be use of hand-held calculators, gauges, scales and devices for measuring weights and volumes. Currency will be handled and time, distance, and temperature will be measured. There will be an emphasis on recognition and use of geometric shapes.

2115 M Lec 4:00P - 5:05P Maple 102  
Vierra R

### HPMGT 126 Nutrition for Chefs 2.0

Students will understand the USDA recommendations for basic nutritional requirements for good health, the food groups encompassing carbohydrates, proteins, fats, vitamins, phytochemicals and minerals, their sources and dependency along with the roles of water, electrolytes and atmospheric gasses in human health. Students will be familiar with the fundamental physiology of digestion and how the basic food groups interact and react in the human body. They will have the knowledge to evaluate recipes and menus for nutritional balance and can devise recipes and menus that conform to USDA nutritional recommendations. They will understand the relationship between nutritional and physical exercise needs in terms of energy balances.

2116 F Lec 9:00A - 11:05A Fir 3  
Moreno D

### HPMGT 128 Kitchen Management 3.0

Focused on the development of skills used to manage a commercial kitchen. Students will write menus and develop recipes, establish portion sizes and recipe costs, then price the menu items. Purchasing foods and supplies: comparative pricing among vendors, ordering, receiving, rotating and storing goods; taking and extending inventories. Students will learn to base production plans on sales forecasts, staff the kitchen accordingly, establish policies, standards and procedures regarding production, staff issues, facility/equipment maintenance and kitchen cleanliness. Basic concepts from the Uniform System of Accounts for Restaurants relating to kitchen operations will also be addressed.

0982 TH Lec 4:30P - 7:35P Manzanita 2  
Womble R

### HPMGT 133A Introduction to Commercial Food Preparation 3.0

Co-requisite: HPMGT 120. Initial culinary training for chefs includes concepts about safe, sanitary, and efficient food production procedures, orientation and training on equipment, hand tools and foods, and applications of nutritional concepts to recipe writing. Food inventory management skills will be practiced using both traditional and computer-aided costing. Adopting professional standards regarding uniforms, dependability, teamwork and quality performance will be emphasized. Field trips may be required.

**MATERIALS FEE: \$50.00**

2329 MW Lec 5:00P - 6:30P Stanislaus  
Culinary Arts  
Institute  
AND MW Lab 6:45P - 8:30P Stanislaus  
Robbins V Culinary Arts  
Institute

*Students must provide special equipment or supplies or may incur additional cost.)*

0983 T Lec 3:45P - 5:15P Manzanita 2  
Vierra R

*Students must provide special equipment or supplies or may incur additional cost. Plus 5.5 weekly hours by arrangement (MTWTH 7:00A-12:30P or 10:00A-3:30P)*

### HPMGT 133B Commercial Food Preparation 4.0

Prerequisite: HPMGT 133A with a grade of C or better, or P. Focus is on restaurant line cookery. Involves preparation of soups, salads, entrees, vegetables and starches. Menu cycle extends from family-style to classical cuisine, including buffets. Quality assurance, production efficiency and kitchen management are emphasized.

**MATERIALS FEE: \$50.00**

0984 M Lec 4:15P - 5:50P Manzanita 2  
Womble R

*Students must provide special equipment or supplies or may incur additional cost. Plus 8.5 weekly hours by arrangement (MTWTH 7:00A-3:30P)*

## FAQs

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### How can I contact a counselor?

Four options are available for connecting with a counselor. You can make a face-to-face appointment, use drop-in hours for quick questions, use the internet (e-advising and facebook), or talk over the phone with a counselor. Refer to our web page ([gocolumbia.edu/counseling](http://gocolumbia.edu/counseling)) for call 588.5109 for more information.

## HOSPITALITY MANAGEMENT (continued)

### HPMGT 134 Commercial Baking: Beginning 2.5

Co-requisites: HPMGT 120 and HPMGT 122. This course covers tools, terms and functions in preparation of baked goods: yeast breads and pastries, cookies, cakes and specialty items. Field trips may be required.

2330 M Lec 7:45A - 8:45A Manzanita 2  
AND M Lab 8:45A - 1:20P Manzanita 2  
Womble R

*Students must provide special equipment or supplies or may incur additional cost.*

2309 T Lec 4:30P - 5:30P Stanislaus  
Culinary Arts  
Institute  
AND T Lab 5:30P - 10:05P Stanislaus  
Robbins V Culinary Arts  
Institute

*Students must provide special equipment or supplies or may incur additional cost.*

### HPMGT 135 Commercial Baking: Advanced 2.0

Prerequisite: HPMGT 134 with a grade of C or better, or P. Formulas used in commercial pastry shop, cake decoration, marzipan and chocolate work, pate-a-chou and specialty items. Student participation. Field trips may be required.

**MATERIALS FEE: \$30.00**

2491 T Lec 8:00A - 12:15P Manzanita 2  
Womble R

01/14/2014 to 03/14/2014

*Students must provide special equipment or supplies or may incur additional cost.*

0985 T Lec 1:00P - 5:15P Manzanita 2  
Womble R

01/14/2014 to 03/04/2014

*Students must provide special equipment or supplies or may incur additional cost.*

### HPMGT 136 Dining Room Service and Management I 2.0

Operation of the Cellar Restaurant dining room and related service support stations is covered. The focus is on how to hire, train, motivate, schedule and assign jobs to a wait staff. Cost control, labor and supplies, Quality assurance and productivity standards are addressed.

0991 W Lec 9:30A - 10:30A Manzanita 3  
AND M Lab 11:00A - 3:10P Manzanita 3  
Bender T

0992 W Lec 9:30A - 10:30A Manzanita 3  
AND T Lab 11:00A - 3:10P Manzanita 3  
Bender T

0994 W Lec 9:30A - 10:30A Manzanita 3  
AND TH Lab 11:00A - 3:10P Manzanita 3  
Bender T

0993 W Lec 9:30A - 10:30A Manzanita 3  
AND W Lab 11:00A - 3:10P Manzanita 3  
Bender T

### HPMGT 140 Contemporary Cuisine 2.0

Prerequisite: HPMGT 133B with a grade of C or better, or P. Focused on the preparation of seasonal ingredients used to develop the menus for the advanced culinary course. Cooking techniques and theory pertaining to contemporary cuisine will be emphasized and the student will prepare on-line cooking stations in pastry, pantry, saute, and grill.

**MATERIALS FEE: \$25.00**

1167 W Lab 2:00P - 8:10P Manzanita 2  
Mansu R

### HPMGT 141 Restaurant Desserts 2.0

Prerequisite: HPMGT 135 with a grade of C or better, or P. The production and presentation of classical and contemporary restaurant desserts. A practical study of the restaurant pastry chef's special vendors, equipment, supplies, foods, processes and techniques used to produce a wide variety of desserts.

**MATERIALS FEE: \$50.00**

2490 W Lec 7:30A - 4:05P Manzanita 2  
Womble R

03/12/2014 to 04/30/2014

*Students must provide special equipment or supplies or may incur additional cost.*

2117 T Lec 7:30A - 4:05P Manzanita 2  
Womble R

03/11/2014 to 04/29/2014

*Students must provide special equipment or supplies or may incur additional cost.*



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## HOSPITALITY MANAGEMENT (continued)

### HPMGT 146 Dining Room Service and Management II 1.0

Prerequisite: HPMGT 136 with a grade of C or better, or P. Advanced service techniques, table settings and dining room etiquette utilizing a restaurant as a laboratory. Emphasis is on elegance and showmanship, developing the fine points of service, understanding wine and food compatibilities, building sales, managing the dining room with reservations, proper staffing and hosting. Field trips required.

2310 W Lec 4:00P - 8:05P Manzanita 2  
Bender T

### HPMGT 147 Beverage Management 2.0

A study of all aspects of beverage management including federal, State and local regulations, mixology, background and future of the beverage industry. Students should be 21 years of age, or if under 21, will be required to complete a number of independent assignments instead of labs. Field trips may be required.

2320 Days and times to be determined  
Staff

Call Gene Womble at 588.5135 for current information.

### HPMGT 152 Restaurant Planning 3.0


Using a restaurant as a vehicle for attaining personal and professional goals students create a plan to conceive, design, staff, equip, stock, market and open the restaurant. They develop systems, policies and procedures for daily operations as well as relationships with professional service providers, vendors, lenders and regulatory agencies. This is an advanced class. Many topics will have been addressed and skills developed in earlier courses. This class unifies that knowledge and skill in the formation of a comprehensive restaurant plan. Field trips may be required.

2311 W Lec 10:45A - 1:50P Fir 2  
Bender T

### HPMGT 190 Culinary Arts Internship 2.0

Prerequisite: HPMGT 140 with a grade of C or better, or P. Supervised field experience in Culinary or Pastry Arts study and research related to job training. Current developments in Culinary Arts.

2118 TH Lec 11:00A - 12:05P Manzanita 2  
Womble R


 This is a hybrid section. See page 84.

## HUMANITIES


### HUMAN 2 Modern Culture 3.0

Recommended for Success: Eligibility for ENGL 1A. An introductory survey of humanistic culture, historically structured from the Enlightenment to the present, focusing on enduring works of art, drama, literature, music, and philosophy. (MJC HUMAN 106) Transfer: UC/CSU

2414 Lee P

 This is an online section. See page 84.

2014 Lee P

 This is an online section. See page 84.

### HUMAN 3 World Culture 3.0

Recommended for Success: Eligibility for ENGL 1A. A study of selected works of literature, art, music, film, religion, philosophy, theatre and other forms of expression, particularly emphasizing the non-Western world. The works will be studied in their historical and cultural contexts. Specific works will vary from time to time, depending upon the interests and needs of students and the instructor. (MJC HUMAN 110) Transfer: UC/CSU

2503 T Lec 4:20P - 5:45P Sugar Pine 114  
Redwing C

## INTERDISCIPLINARY STUDIES

### INDIS 48 Sustainable Living 3.0

This course introduces life skills and decision-making strategies to students interested in a sustainable future for themselves and their local/global communities. The course covers topics such as: how do our food choices affect both our health and our environment, what are the impacts of various consumer goods on the environment and society, what does it mean to build and maintain a sustainable house/building, where do my wastes go when I flush the toilet, where does my drinking water come from, where does my energy come from and what is its true cost? The course is designed to help students see the individual as the pivot point between community health/world health and personal health. Field trips may be required. Transfer: CSU

2314 TTH Lec 11:20A - 12:45P Sugar Pine 114  
Naegle E / Whited B / White G



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
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## INTERDISCIPLINARY STUDIES (continued)

### INDIS 101 Career Tools for Excellence I 2.0

This course is designed to emphasize leadership, project management, team-building and problem-solving as they apply in the workplace. Students will use a project-based format and design an e-portfolio while incorporating a wide variety of leadership skills required for success in the workplace. Offered for Pass/No Pass grading only.

2184 F Lec 12:00P - 1:30P Buckeye 3  
AND F Lab 1:30P - 2:10P Buckeye 4  
Reiman J / Staff  
01/24/2014 to 05/03/2014

 This is a hybrid section. See page 84.

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## LIBRARY

### LIBR 1 Introduction to Library and Information Resources 1.0

This course is an introduction to the use of electronic and print resources, including developing effective search strategies and evaluating information sources. Emphasis is on library online catalogs, online periodical databases, print and electronic reference sources, and Internet resources. Transfer: CSU

2325 MW Lec 11:20A - 12:45P Tamarack Hall  
Griffiths-Bender W 108  
02/03/2014 to 03/12/2014

2324 Griffiths-Bender W  
03/10/2014 to 04/16/2014

 This is an online section. See page 84.

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## MANAGEMENT

### MGMT 113 Attitude in the Workplace 0.5

Designed to provide the student with certain key skills in the area of attitude so that they may effectively maintain a positive attitude at the workplace and at home. The student will be introduced to the concepts of how attitudes are communicated, the three types of attitudes and how to adjust one's attitude. Topics will also include the primary causes of a bad attitude, turnaround strategies to battle these bad attitudes and specific techniques to raise the attitude of others. Offered for Pass/No Pass grading only.

2276 F Lec 9:40A - 6:30P Oak Pavilion 12  
Ponder I  
04/04/2014 ONLY

### MGMT 115 Time Management 0.5

Designed to introduce the student to time management principles and specific tools that assist in making maximum use of time. Basic concepts of managing space will also be covered. Offered for Pass/No Pass grading only.

2277 F Lec 9:40A - 6:30P Oak Pavilion 12  
Ponder I  
01/24/2014 ONLY

### MGMT 116 Stress Management in the Workplace 0.5

Designed to acquaint the student with various skills the supervisor needs to help employees. Included is the recognition of stress and how to manage it, job burnout and what to do about it, and counseling employees in various situations. Concepts of managing space will also be covered. Offered for Pass/No Pass grading only.

2274 F Lec 9:40A - 6:30P Oak Pavilion 12  
Olson T  
02/07/2014 ONLY

### MGMT 117 Conflict Management 0.5

Designed to provide the student with an analysis of attitudes and behavior which create conflict between individuals and groups within an organization. Offered for Pass/No Pass grading only.

2275 F Lec 9:40A - 6:30P Oak Pavilion 12  
Olson T  
03/07/2014 ONLY

### MGMT 118 Decision Making in the Workplace 0.5

Designed to introduce the student to decision making and problem solving as a supervisor or employee. Offered for Pass/No Pass grading only.

2482 F Lec 9:40A - 6:30P Oak Pavilion 12  
Olsen T  
03/21/2014 ONLY

### MGMT 119 Managing Organizational Change 0.5

Designed to provide the student with an understanding of change and the influence it has on an organization and the individuals in that organization. Topics will include understanding organizational change, theoretical models of change, stages of change, and how to manage organizational change. Offered for Pass/No Pass grading only.

2278 F Lec 9:40A - 6:30P Oak Pavilion 12  
Ponder I  
02/21/2014 ONLY

# MATHEMATICS

## MATH 2 Statistics 4.0

Prerequisite: MATH 104 with a grade of C or better, or P, or placement through the assessment process. Descriptive statistics, normal distributions, correlation and regression, probability, sampling distributions, inference about quantitative and categorical variables, inference about relationships. (MJC MATH 134) Transfer: UC/CSU

0299 MWF Lec 11:20A - 12:35P Juniper 4  
VonEpps L  
*Graphing calculator required; TI83/84 recommended.*

0300 TTH Lec 6:00P - 8:05P Juniper 4  
Rosasco M  
*Graphing calculator required; TI83/84 recommended.*

## FAQs

columbia  
college  
counseling

### Should I take all general education classes first?

If your English assessment level is English 151 or below, we recommend that you concentrate on improving your college-level reading and writing skills. Taking an English course your first semester is a good idea no matter where you assessed. If you placed at English 1A or above, you should consider taking general education courses that interest you and/or courses that are related to your major.

Also, if you are a math or science major, it is essential that you begin the math sequence as soon as possible (a counselor can help you choose your appropriate course selection for your major).

Taking an elective course that you enjoy (guitar, art, physical activity, or computers) is a good idea because it makes your college experience more rewarding. Counselors can help you determine your best course progression and choices depending on your own educational goal.

## MATH 6 Mathematics for Liberal Arts Students 3.0

Prerequisite: MATH 104 with a grade of C or better, or P, or placement through the assessment process. A survey of important mathematical ideas with insight into their historical development, with emphasis on the nature of mathematical reasoning and the importance and applications of mathematics in society. Topics may include set theory and logic, number theory, functions and graphs, geometric ideas, probability and statistics, calculus, graph theory, or other significant areas of mathematics. (MJC MATH 101) Transfer: UC/CSU

2379 TTH Lec 1:00P - 2:25P Juniper 4  
Leamy J

## MATH 8 Trigonometry 3.0

Prerequisite: MATH 104 with a grade of C or better, or P, or placement through the assessment process. The study of trigonometric functions analytically and graphically, in both Cartesian and polar coordinates. Course will cover solving trigonometric equations using identities and inverse functions and applying these concepts to right and oblique triangles, the unit circle, vectors, complex numbers and other applications. Transfer: CSU

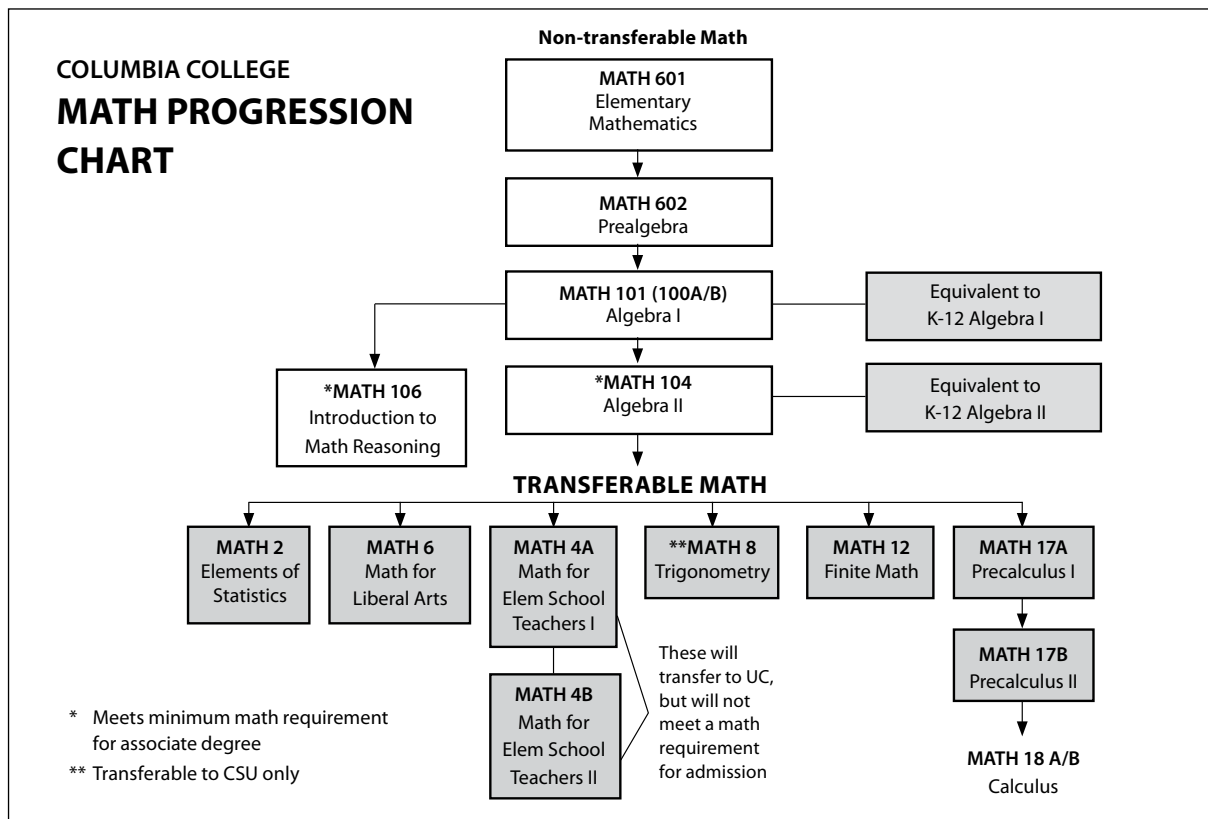
2381 TTH Lec 2:40P - 4:05P Juniper 1  
Weston K  
*This is a Blackboard Enhanced section. See page 84.*

## MATH 17B Precalculus II 5.0

Prerequisite: MATH 17A with a grade of C or better, or P. A comprehensive course in analytic geometry and trigonometry. Topics include: trigonometric functions, trigonometric identities, solving trigonometric equations, solving right and oblique triangles; vectors; the complex plane; polar and parametric functions, conic sections, sequences and series, mathematical induction. MATH 17B, together with MATH 17A, form a two-semester Precalculus course sequence. (MJC MATH 122) Transfer: UC/CSU (Transfer credit limited. See a counselor.)

1189 MWF Lec 9:40A - 11:10A Juniper 1  
Landess M  
*Graphing calculator required; TI-83/84 recommended.*

2380 MWF Lec 1:00P - 2:30P Juniper 4  
Landess M  
*Graphing calculator required; TI-83/84 recommended.*



**MATH 18B Calculus II**

**5.0**

Prerequisite: MATH 18A with a grade of C or better, or P, or placement through the assessment process. Antiderivatives, The First and Second Fundamental Theorems of Calculus, techniques of integration, applications of definite integrals to geometry, physics, probability, and economics, numerical integration, improper integrals, differential equations, convergence of series, power series, Taylor series, Fourier series, areas defined by polar curves. (MJC MATH 172)  
Transfer: UC/CSU

**0302 MWF** Lec **9:40A - 11:10A Juniper 4**  
**VonEpps L**  
*Graphing calculator required; TI83/84 recommended.*

**MATH 100B Algebra I: Second Half**

**3.0**

Prerequisite: MATH 100A with a grade of C or better, or P. This course is equivalent to the second half of MATH 101, allowing the student more study time for the course topics. Completion of both MATH 100A and MATH 100B is equivalent to completion of MATH 101. (MJC MATH 72)

**0508 TTH** Lec **11:20A - 12:45P Juniper 1**  
**VonEpps L**

**MATH 101 Algebra I**

**5.0**

Prerequisite: MATH 602 with a grade of C or better, or P, or placement through the assessment process. Introduction to algebraic structures using tabular, graphical and symbolic representations. Properties of real numbers, evaluating and simplifying algebraic expressions, linear equations and inequalities in one and two variables, systems of linear equations and inequalities, proportions and direct variation, linear functions and models, integer exponents, polynomial operations, factoring, solution of quadratic equations by factoring and the quadratic formula. (MJC MATH 70)

**0303 MTWTH** Lec **8:00A - 9:10A Juniper 1**  
**Landess M**

**0304 MTWTH** Lec **1:00P - 2:10P Juniper 1**  
**Taylor J**

**2371 MW** Lec **3:30P - 6:00P Oakdale High**  
**Shaffer J** **School A-3**

**2383 MW** Lec **6:00P - 8:25P Juniper 1**  
**Thompson K**

## MATH (continued)

### MATH 104 Algebra II

5.0

Prerequisite: MATH 100B or MATH 101 with a grade of C or better, or P, or placement through the assessment process. Algebra II continues from Algebra I, studying functions using graphical, numerical, formulaic and descriptive techniques. Students will solve problems and applications modeled by linear, polynomial, rational, exponential, logarithmic functions and quadratic functions in one and two variables using conic sections. Students also perform operations, simplify expressions and solve equations involving polynomials, complex numbers, matrices and rational exponents. Introduction to series and summation notation, as well as transformations and the algebra of functions. Graphing calculator required. This course is prerequisite to undergraduate transfer general education mathematics courses. (MJC MATH 90)

2382 MTWTH Lec 4:20P - 5:30P Juniper 1  
Staff

0305 MWF Lec 11:20A - 12:50P Juniper 1  
Cavagnaro A

1590 TTH Lec 3:30P - 6:00P Oakdale High  
Shaffer J School A-3

2011 TTH Lec 4:00P - 6:25P Bret Harte High  
Taylor K School 52

0308 F Lec 1:00P - 2:30P Juniper 1  
AND MW Lec 2:40P - 4:10P Juniper 1  
Cavagnaro A

2386 TTH Lec 6:00P - 8:25P Juniper 1  
Thompson K

### MATH 601 Elementary Mathematics

4.0

Study of the concepts and procedures of arithmetic, with emphasis on developing understanding as well as computational skills. Topics include mathematical vocabulary, symbolic representation, arithmetic operations, fractions, decimals, percents, ratio, proportion, prime factorization, and student study skills. (MJC MATH 10)

1790 MTWTH Lec 8:00A - 9:00A Juniper 4  
Cavagnaro A



For the latest class scheduling updates go to

**My Columbia**  
[www.gocolumbia.edu](http://www.gocolumbia.edu)

## MATH 602 Prealgebra

4.0

Prerequisite: MATH 601 with a grade of C or better, or P, or placement through the assessment process. Designed to help students prepare for algebra and applied math courses by reviewing fundamental operations of arithmetic and common geometric formulas, and introducing the algebraic concepts of simplifying expressions, polynomial arithmetic, and solving linear equations. Arithmetic reviewed includes calculation with integers, decimals, and fractions. Ratios, percents, and their applications are also studied. (MJC MATH 20)

1585 MTWTH Lec 2:40P - 3:40P Juniper 4  
VonEpps L

1990 TTH Lec 8:15A - 10:20A Maple 104  
Leamy J

*This course is part of the First Semester Experience. See page 80.*

2385 MW Lec 6:00P - 8:05P Juniper 4  
Taylor J

## MATH 650 Personalized Mathematics Development

This course provides students opportunities to review or learn mathematics in an individualized, self-paced setting. Topics include: Basic Math, Prealgebra, Beginning Algebra, Introduction to Geometry, Intermediate Algebra, College Algebra, Trigonometry, Precalculus, and Introduction to Statistics. Offered for Pass/No Pass grading only.

*Students are required to attend an orientation and assessment session. Sessions will be held at the times and locations listed below: Tue, 1/14/2014 10:00A - 11:30A, Library Demo Lab Wed, 1/15/2014, 6:00P - 7:30P, Library Demo Lab Thu, 1/16/2014, 2:30P - 4:00P, Library Demo Lab Please note that the course requires a subscription to the ALEKS computer program, which must be purchased at the Manzanita Bookstore prior to the orientation session. Class is taught online only.*

1586 Landess M 27 hours total by arrangement 0.5

1587 Landess M 54 hours total by arrangement 1.0

1588 Landess M 81 hours total by arrangement 1.5

1589 Landess M 108 hours total by arrangement 2.0

## FAQs

columbia  
college  
counseling

### How many units should I enroll in?

It depends on your unique situation. Students who are employed full-time (40 or more hours per week) should limit themselves to no more than 6 units. If you are employed no more than 20 hours per week, you may sign up for 12 or more units provided that you don't have additional time commitments (e.g. child, spouse, outside activities). If you are not employed, fulltime coursework (12-18 units) may be appropriate.



# MUSIC

## **MUSIC 2 Introduction to Music 3.0**

Recommended for Success: ENGL 151. Survey of the many fields within the discipline of music, including a brief overview of fundamentals, music history, the voice, musical instruments, the science of acoustics, rock, jazz, and current styles, psychology of music, and analytical listening. Attendance at selected local concerts is required. Transfer: UC/CSU

**0652 MW Lec 1:00P - 2:25P Aspen 1**  
**Harris R**

## **MUSIC 4B Elementary Musicianship 2.0**

Recommended for Success: MUSIC 4A and concurrent enrollment in MUSIC 20B. Continuation of MUSIC 4A to develop skills in sight singing, melodic and rhythmic dictation, and aural analysis of harmonic materials, and basic keyboard skills. (MJC MUST 132) Transfer: UC/CSU

**2240 TTH Lec 2:40P - 3:45P Aspen 1**  
**Carter J**  
*This is a Blackboard Enhanced section. See page 84.*

## **MUSIC 10 Survey of Music History and Literature: Ancient to 1750 3.0**

A survey of elements of style, major composers, and masterpieces of music from the Greek era through Medieval, Renaissance, Baroque, and Early Classic periods; survey from 1000 BC through 1750 AD. Includes the music of Palestrina, Bach, and Handel. (MJC MUSG 121) Transfer: UC/CSU

**2470 SU Lec 1:00P - 3:00P Aspen 1**  
**AND MTWTHFSSU Lec 8:00A - 3:00P Field Location**  
**Harris R**

03/09/2014 to 06/03/2014

*Sundays (8 class meetings) from 3-5pm in Aspen 1 beginning March 9, ending June 3 (excluding April 20). Travel in Europe (London - UK, Belgium, Germany, Austria) May 9 through May 22, a total of 14 days. Students will average more than 7 hours a day of museums, tours with local tour guides and concerts.*

## **MUSIC 11 Survey of Music History and Literature: 1750 to Present 3.0**

A survey of elements of style, major composers, and masterpieces of music during the Classic, Romantic, and Modern periods from 1750 to the present. Includes music of Mozart, Beethoven, Wagner, Debussy, Schoenberg, and Copland. (MJC MUSG 122) Transfer: UC/CSU

**0313 MW Lec 8:00A - 9:25A Aspen 1**  
**Carter J**  
*This is a Blackboard Enhanced section. See page 84.*

**2467 TTH Lec 11:20A - 12:45P Dogwood 1**  
**Carter J**  
*This is a Blackboard Enhanced section. See page 84.*

## **MUSIC 12 American Popular Music: Blues and Jazz to Rock 'n' Roll 3.0**

An introduction to jazz style, jazz history, and popular music of the 20th and 21st centuries. Transfer: UC/CSU

**0686 F Lec 1:00P - 4:05P Cedar 1**  
**Day C**

**2471 SU Lec 3:00P - 5:00P Aspen 1**  
**AND MTWTHFSSU Lec 8:00A - 3:00P Field Location**  
**Harris R**

03/09/2014 to 06/03/2014

*Sundays (8 class meetings) from 3-5pm in Aspen 1 beginning March 9, ending June 3 (excluding April 20). Travel in Europe (London - UK, Belgium, Germany, Austria) May 9 through May 22, a total of 14 days. Students will average more than 7 hours a day of museums, tours with local tour guides and concerts.*

**2413 TH Lec 6:00P - 9:05P Cedar 1**  
**Day C**

## **MUSIC 20B Elementary Music Theory 3.0**

Prerequisite: MUSIC 20A with a grade of C or better, or P. Continuing study in harmony and analysis. Included are secondary dominants, modulation, altered chords, nonharmonic notes, and extended chords. (MJC MUST 122) Transfer: UC/CSU (Transfer credit limited. See a counselor.)

**0640 TTH Lec 11:20A - 12:45P Aspen 1**  
**Harris R**

## **MUSIC 31A Elementary Piano 1.0**

An introduction to the skill of piano playing based on music reading; fundamentals of rhythm, notation, and technique. Basic theory will include knowledge and application of musical terms, scales, key signatures, and chords. Field trips required. (MJC MUSA 121) Transfer: UC/CSU

**0616 MW Lab 9:40A - 11:05A Cedar 5**  
**Marks A**

**2468 TTH Lab 9:40A - 11:05A Cedar 5**  
**Marks A**

**0647 T Lab 6:00P - 9:05P Cedar 5**  
**Staff**

## MUSIC (continued)

### **MUSIC 31B Elementary Piano 1.0**

Prerequisite: MUSIC 31A with a grade of C or better, or P. Continuation of the fundamentals of piano performance with emphasis given to the essentials of music reading. Theory will include the presentation of scales and keys, both major and minor, review and application of chords and inversions, and an introduction to improvisation. Piano literature will include both classical and popular compositions as well as exercises and technical studies. Field trips required. Transfer: UC/CSU

**0617 MW Lab 1:00P - 2:25P Cedar 5**  
**Marks A**

**0648 T Lab 6:00P - 9:05P Cedar 5**  
**Staff**

### **MUSIC 36 Elementary Voice 1.0**

Large group instruction in singing for those with little or no vocal solo training. Includes basic singing techniques and songs for improving pitch, building range, endurance, tone, and breath control. (MJC MUSA 151) Transfer: UC/CSU

**0314 TTH Lab 9:40A - 11:05A Aspen 1**  
**Carter J**

*This is a Blackboard Enhanced section. See page 84.*

### **MUSIC 37 Advanced Elementary Voice 1.0**

Prerequisite: MUSIC 36 with a grade of C or better, or P. Large group instruction in singing for those with one semester of private or solo class voice. Includes reinforcement of basic singing techniques for building range, endurance, tone, and breath capacity as taught in MUSIC 36. Music includes folk/traditional as well as English and Italian art song. (MJC MUSA 152) Transfer: UC/CSU

**0315 TTH Lab 1:00P - 2:25P Aspen 1**  
**Carter J**

*This is a Blackboard Enhanced section. See page 84.*

### **MUSIC 38 Intermediate Voice 1.0**

Prerequisite: MUSIC 37 with a grade of C or better, or P. Individual and small group instruction in the refinement of vocal technique for people with two semesters of class voice. Includes continued development of tone, endurance, and flexibility with an emphasis on solo public performance with traditional and art song literature. Transfer: UC/CSU

**0316 TTH Lab 1:00P - 2:25P Aspen 1**  
**Carter J**

*This is a Blackboard Enhanced section. See page 84.*

### **MUSIC 39 Advanced Intermediate Voice 1.0**

Prerequisite: MUSIC 38 with a grade of C or better, or P. Individual and small group instruction in the development of vocal technique for people with three semesters of class voice. Includes continued development of expression and increased emphasis on public performance. Field trips may be required. (MJC MUSA 153) Transfer: UC/CSU

**0317 TTH Lab 1:00P - 2:25P Aspen 1**  
**Carter J**

*This is a Blackboard Enhanced section. See page 84.*

### **MUSIC 41A Intermediate Piano 1.0**

Prerequisite: MUSIC 31B with a grade of C or better, or P. Continuation of the fundamentals of piano performance attained in MUSIC 31B with more emphasis given to technique, phrasing, and dynamics as progressively difficult music is presented. Theory will include additional major and minor scales and keys, chords, and inversions including seventh chords, improvisation, and transposition. Piano literature will include both classical and popular compositions as well as exercises and technical studies. (CC MUSIC 41A + 41B = MJC MUSA 123) Transfer: UC/CSU

**0618 MW Lab 1:00P - 2:25P Cedar 5**  
**Marks A**

**0649 T Lab 6:00P - 9:05P Cedar 5**  
**Staff**

### **MUSIC 41B Intermediate Piano 1.0**

Prerequisite: MUSIC 41A with a grade of C or better, or P. Continuation of the fundamentals of piano performance attained in MUSIC 31A, 31B, and 41A with more emphasis given to the adaptation of various techniques regarding style, touch, dynamics, and phrasing as they apply to different periods of piano literature. Opportunity to accompany instrumentalists and vocalists is offered as well as the performance of two-piano works. Theory will include all key signatures, scales, embellishments, diminished and augmented chords, and study of the Baroque, Classical, Romantic, and Contemporary periods in music. (CC MUSIC 41A + 41B = MJC MUSA 123) Transfer: UC/CSU

**0619 MW Lab 1:00P - 2:25P Cedar 5**  
**Marks A**

**0650 T Lab 6:00P - 9:05P Cedar 5**  
**Staff**

## MUSIC (continued)

### MUSIC 50-56

Study of performance techniques, interpretation, and repertoire related to private instruction. Designed primarily for music majors and minors. Outside performance required. May be repeated three times. Transfer: UC/CSU

*Instructor consent required before enrollment. Students must provide special equipment or supplies or may incur additional cost. For more information, please see the instructor's web page at: <http://directory.gocolumbia.edu/carterj>. If you have questions, contact the instructor at 588-5214 or [carterj@yosemite.edu](mailto:carterj@yosemite.edu).*

### MUSIC 50 Private Lessons-Guitar 1.0

(MJC MUSA 145)

1976 1 hour weekly by arrangement  
Carter J

### MUSIC 51 Private Lessons-Keyboard 1.0

1977 1 hour weekly by arrangement  
Carter J

### MUSIC 52 Private Lessons-Woodwinds 1.0

(MJC MUSA 183)

1978 1 hour weekly by arrangement  
Carter J

### MUSIC 53 Private Lessons-Brass 1.0

1979 1 hour weekly by arrangement  
Carter J

### MUSIC 54 Private Lessons-Strings 1.0

1980 1 hour weekly by arrangement  
Carter J

### MUSIC 55 Private Lessons-Percussion 1.0

1981 1 hour weekly by arrangement  
Carter J

### MUSIC 56 Private Lessons-Voice 1.0

(MJC MUSA 154)

1982 1 hour weekly by arrangement  
Carter J

### MUSIC 60 College Choir 1.0

Instruction and performance in vocal and choral techniques including group tone production, singing, parts, and reading music. Designed for singers with limited or no choir experience as well as intermediate. Repertoire includes selections of various styles. May be repeated three times. Field trips required. Transfer: UC/CSU

0318 MW Lab 11:20A - 12:45P Alder 5  
Carter J

### MUSIC 64 Jazz Choir 1.0

Study and performance of vocal jazz and improvisation in an ensemble of limited size. May be repeated three times. Transfer: UC/CSU

1035 TTH Lab 1:00P - 2:25P Dogwood 1  
Harris R

### MUSIC 66 Columbia College Community Chorus 1.0

Study and performance of mixed choral works of various styles and periods. Includes development of vocal technique and musicianship. May be repeated three times. (MJC MUSE 151) Transfer: UC/CSU

0319 M Lab 6:30P - 9:35P St. James  
Carter J (Red Church)

*Plus additional rehearsals and concerts. See instructor for more information.*

### MUSIC 72 Jazz Ensemble 1.0

Study and performance of instrumental jazz and improvisation; techniques of improvisation will be explored. May be repeated three times. Transfer: UC/CSU

0643 W Lab 6:00P - 10:15P Dogwood 1  
Harris R

### MUSIC 75 Jazz Studies 1.0

Study and performance of instrumental and vocal jazz in both solo and ensemble (including big band, choir, combos, and solo with accompaniment). Includes beginning jazz theory, improvisation, style, interpretation, performance practice and the development of an individual standard jazz repertoire. Repertoire may vary from semester to semester. Field trips may be required. May be repeated three times. Transfer: UC/CSU

1032 TTH Lab 1:00P - 2:25P Dogwood 1  
AND W Lab 6:00P - 10:15P Dogwood 1  
AND F Lab 12:00P - 5:00P Dogwood 1  
Harris R

### MUSIC 76 Community Orchestra 1.0

Study and performance of orchestral literature of various styles and media. Audition required for wind, brass, and percussion players as needed. May be repeated three times. (MJC MUSE 161) Transfer: UC/CSU

0644 T Lab 6:00P - 9:05P Sonora High  
Harper M Band Room

### MUSIC 78 Ensemble: Instrumental Emphasis 1.0

Study and performance of music for small ensembles, duets, and chamber groups. May be repeated three times. (MJC MUSE 166 or MUSE 176) Transfer: UC/CSU

1036 F Lab 12:00P - 5:00P Dogwood 1  
Harris R

## NATURAL RESOURCES

### **NATRE 1 Environmental Conservation 3.0**

Conservation of the biological and physical environment. History of the conservation movement. A case-study approach to land use practices of environmental conservation with current topics on endangered species, environmental pollution, wilderness management, energy, population, and the uniqueness of California and Alaska natural resources. Field trips may be required. Transfer: UC/CSU

**0902 TTH** Lec 11:20A - 12:45P Sugar Pine 126  
Hofstra T

### **NATRE 3 Natural Resources Law and Policy 3.0**

Introduction to principles and practice of natural resource policy and law in the United States. Topics include overview of major environmental policies and laws, environmental ethics, historical role of activists in legislative change and enforcement, development and limits of legislative and judicial approaches to solving environmental problems, and local and regional issues related to natural resources law and policy. Field trips may be required. Transfer: UC/CSU

**1881 TTH** Lec 9:40A - 11:05A Sugar Pine 115  
Mc Nicol L

### **NATRE 9 Parks and Forests Law Enforcement 2.0**

This course helps develop the knowledge and skills required in areas of constitutional, criminal, and civil law as related to law enforcement activities conducted by resource agencies. Field trips may be required. Transfer: CSU

**2300 T** Lec 6:30P - 9:30P Sugar Pine 115  
Poor Jr O  
01/13/2014 to 04/08/2014

### **NATRE 30 Introduction to Watershed Management 3.0**

Fundamentals of watershed management, monitoring and stewardship, with an emphasis on California and the Sierra Nevada. Concepts and applications of climatology, meteorology, geology, soils, hydrology, biology, chemistry, physics and engineering as they pertain to management of watersheds. Field and laboratory techniques of sampling and monitoring soil, water, air, vegetation, and other biota. Application of integrated ecosystem approaches to natural resource protection and management of watersheds. Field trips may be required. Transfer: CSU

**2121 MW** Lec 1:30P - 2:35P Sugar Pine 126  
**AND W** Lab 2:45P - 5:40P Sugar Pine 107  
Hofstra T  
*Selected class meetings may be held at alternate locations.*

## NATURAL RESOURCES TECHNOLOGY

### **NARTC 163 Water for Consumption 3.0**

Study of present and future sources of community water supply with special attention to state standards for potable water; analysis, processing, treatment, quality control, storage, and distribution of community water. Meets Water Treatment Plant Operator state certification prerequisite for examination at Grade 2 level. Offered for Pass/No Pass grading only. Field trips may be required.

**1733 TH** Lec 4:00P - 7:05P Sugar Pine 115  
Nessl D

### **NARTC 167 Operation of Wastewater Treatment Plants 3.0**

Designed to train students in the practical aspects of operating and maintaining wastewater treatment plants, emphasizing the use of safe practices and procedures. Information presented includes the role and responsibilities of a treatment plant operator, an explanation of why wastes must be treated, and detailed descriptions of the equipment and processes used in a wastewater treatment plant. Field trips may be required.

**2119 W** Lec 5:00P - 8:05P Sugar Pine 126  
Nessl D  
*Selected class meetings may be held at alternate locations.*

### **NARTC 181 California Wildlife 4.0**

Study of the characteristics, evolution, population biology, ecology, behavior, life history, and management of California animals. Introduction to methods of studying and managing wildlife to improve populations, habitat, and ecosystem function. Practice of specific field and laboratory techniques of species identification, population biology, and wildlife management. Field trips may be required. (MJC NR 215)

**2120 MW** Lec 11:05A - 1:10P Sugar Pine 107  
Hofstra T  
*Selected class meetings may be held at alternate locations.*



For the latest class scheduling updates go to

**My Columbia**

[www.gocolumbia.edu](http://www.gocolumbia.edu)

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## OFFICE TECHNOLOGY

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### OFTEC 50 Medical Terminology 3.0

An introduction to basic word structure including word roots, prefixes and suffixes used in medical vocabulary; also specialized vocabulary for the various anatomical systems used by allied health fields. (MJC MDAST 321) Transfer: CSU

#### 2204 Reiman J

 This is an online section. See page 84.  
This class will use textbook for ICD-10 Coder Preparation. Students will need to gain access to the required "Publisher ACCESS CODE" which is bundled with the textbook.

#### 0814 Watterson S

 This is an online section. See page 84.  
Students will need to gain access to the REQUIRED "Publisher ACCESS CODE" either by checking the online syllabus, email BLAST or new textbook.

### OFTEC 100 Computer Keyboarding I 1.0

Designed for students wishing to master the touch method of keyboarding.

#### 0805 TTH Lab 1:00P - 2:25P Buckeye 4

Reiman J  
This is a Blackboard Enhanced section. See page 84.

### OFTEC 130 Business English 3.0

A review of the mechanics of English grammar, punctuation and sentence structure with emphasis on business applications. Vocabulary development, spelling, and use of the dictionary are also studied.

#### 2302 MW Lec 1:00P - 2:25P Buckeye 4

Reiman J  
This is a Blackboard Enhanced section. See page 84.

### OFTEC 132 Business Communications 3.0

Prerequisite: OFTEC 130 or ENGL 650 with a grade of C or better, or P. Study and development of a variety of communication skills. Emphasis will be placed on writing skills as well as speaking, listening, and nonverbal skills. Students will learn how to compose and create effective documents typically used in business and personal situations including letters, memos, technology-related messages and reports.

#### 1429 TTH Lec 11:20A - 12:45P Buckeye 4

Reiman J  
This is a Blackboard Enhanced section. See page 84.

### OFTEC 141 Intermediate Word Processing 3.0

Recommended for Success: OFTEC 140. Students receive instruction in intermediate word processing features which will be applied to creating business documents. Areas of emphasis will include text columns, macros, styles, math, merge, repetitive documents, sort and select, and graphics. (MJC CMPSC 231)

#### 2126 MW Lec 8:00A - 9:25A Fir 1

Schultz K  
 This is a hybrid section. See page 84.

### OFTEC 151 Medical Office Management 3.0

Recommended for Success: OFTEC 50. An introduction to the multiple functions performed by the Medical Office Specialist. Topics include appointment scheduling; verbal, nonverbal, and written communication; interpersonal skills; telephone techniques; managing office supplies, equipment, and personnel; development of organizational and decision-making skills; and financial records.


#### 2038 TTH Lec 9:40A - 11:05A Buckeye 4

Reiman J  
This is a Blackboard Enhanced section. See page 84.

### OFTEC 152A Medical Billing and Coding 3.0

Recommended for Success: OFTEC 50. A fundamental course in medical insurance billing and coding, Blue Cross and Blue Shield, Medicaid and Medi-Cal, Medicare, Champus and Workers' Compensation.


#### 2127 Reiman J

 This is an online section. See page 84.  
Students will need to gain access to the required "Publisher ACCESS CODE" which is bundled with the textbook.

### OFTEC 152C Advanced Medical Coding 3.0

Prerequisite: OFTEC 152B with a grade of C or better, or P. Advanced Medical Coding provides an in-depth understanding of physician-based medical coding and coding services such as medical visits, diagnostic testing and interpretation, treatments, surgeries, and anesthesia. Students will enhance clinical decision-making skills and learn to pull the right information from documents, select the right codes, determine the correct sequencing of those codes, and audit cases.

#### 2303 Reiman J

 This is an online section. See page 84.  
Students will need to gain access to the REQUIRED "Publisher ACCESS CODE" which is bundled with the textbook.


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## OFFICE TECHNOLOGY (continued)

### OFTEC 168 Creating and Managing a Virtual Office 3.0

Recommended for Success: OFTEC 120, CMPSC 10, CMPSC 4. Application of administrative support and entrepreneurial skill sets in the development of a virtual office business. Emphasis will be placed on business development, personal skill sets, marketing strategies, communication, organization, and operations. In this setting, a virtual assistant is a highly skilled professional working independently in support of other businesses, often with the latest technology.

2304 Reiman J

 This is an online section. See page 84.

### OFTEC 210 Typing Speed and Accuracy Bldg 1.0

Speed building and accuracy on straight copy, and statistical writing, intensive drills, timed writings and remedial work.

0811 TTH Lec 1:00P - 2:25P Buckeye 4  
Reiman J

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## PHILOSOPHY

### PHILO 1 Introduction to Philosophy 3.0

Recommended for Success: Eligibility for ENGL 1A. Survey of the field of philosophy, including human nature, meaning in life, and values in ethics, social justice, and art; knowledge, truth, logic, and the scientific method; ultimate reality and philosophy of religion. (MJC PHILO 101) Transfer: UC/CSU

2317 MW Lec 8:00A - 9:25A Dogwood 1  
Milnik N

2197 TH Lec 6:00P - 9:05P Sugar Pine 126  
Milnik N

### PHILO 25 Twentieth Century Philosophy 3.0

Recommended for Success: ENGL 1A. A brief survey of nineteenth and twentieth century philosophy emphasizing the contributions of various thinkers to our understanding of what it is to be human, the nature of society and the relationship of the individual to it, science, technology and human values, and the meaning of life itself. (MJC PHILO 123) Transfer: UC/CSU

2257 MW Lec 9:40A - 11:05A Dogwood 1  
Milnik N

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## PHYSICS

### PHYCS 1 Conceptual Physics 3.0

A conceptual investigation of the physics of motion, energy, light and color, gravitation, and an introduction to black holes and relativistic time travel. (MJC PHYS 160) Transfer: UC/CSU (Transfer credit limited. See a counselor.)

2029 MW Lec 2:40P - 4:05P Sugar Pine 100  
Pourtarvirdi Z

### PHYCS 4B Introductory Physics II: Trigonometry Level 4.0

Prerequisite: PHYCS 4A with a grade of C or better, or P. A trigonometry-level introduction to the modeling of physical phenomena using electrostatics, magnetostatics, electromagnetic induction, and electric circuit theories. Includes an introduction to optics, and modern physics. This course requires the student to use the following college-level skills: algebra, trigonometry, abstract concept assimilation, critical thinking, and a four-stage physics modeling procedure (developed in Introductory Physics I). (MJC PHYS 143) Transfer: UC/CSU (Transfer credit limited. See a counselor.)

0322 MW Lec 4:20P - 6:25P Sugar Pine 100  
AND MW Lab 6:25P - 7:30P Sugar Pine 100  
Pourtarvirdi Z

### PHYCS 5B Introductory Physics II: Calculus Level 5.0

Prerequisite: PHYCS 5A and MATH 18B, with grades of C or better, or P, or concurrent enrollment in MATH 18B. A calculus-level introduction to modeling with electrostatics, magnetostatics, electromagnetic induction, and electric circuit theories. Includes an introduction to optics and modern physics. This course requires the student to use the following college-level skills: algebra, trigonometry, integral calculus, abstract concept assimilation, critical thinking, and a four-stage physics modeling procedure (developed in Introductory Physics I). (MJC PHYS 103) Transfer: UC/CSU (Transfer credit limited. See a counselor.)

0323 MW Lec 4:20P - 6:45P Sugar Pine 100  
AND MW Lab 6:45P - 7:50P Sugar Pine 100  
Pourtarvirdi Z

## POLITICAL SCIENCE

### **POLSC 10 Constitutional Government** 3.0

A survey course in the political system of the United States from its inception at the end of the eighteenth century until the present time. Primary focus will be the Constitution, its ideological underpinnings, uses and limitations. Class will also cover the two-party system, the process of justice, the specific mechanisms of legislature, and the governmental power at the national, State, and local levels, with specific emphasis on the state of California. The interests and rights of all historically under-represented groups will be included in the analysis of the power structure. (MJC POLSC 101) (POLSC 10, taken in conjunction with HIST 16 or HIST 17, satisfies the Associate Degree and CSU requirements in United States History, Constitution and American Ideals.) Transfer: UC/CSU

0324 MW Lec 2:40P - 4:05P Cedar 1  
Johnson T

2036 TTH Lec 8:00A - 9:25A Fir 3  
Hamilton W

0325 TTH Lec 9:40A - 11:05A Cedar 1  
Johnson T

7951 M Lec 6:00P - 9:05P Oakdale High  
Simoncini P School F-11

0631 M Lec 6:00P - 9:05P Fir 3  
Krieg L

### **POLSC 14 International Relations** 3.0

Introduction to the principles and practices of international politics, emphasizing problems of war and peace, foreign policies of major powers, problems of developing countries, and global problems. Emphasis placed upon the formulation and execution of American foreign policy within a constitutional and political framework. The dynamics of interstate relations, diplomacy, international law, non-state actors and supra-national organizations will be emphasized. (MJC POLSC 110) Transfer: UC/CSU

9141 MW Lec 11:20A - 12:45P Maple 102  
Hamilton W



For the latest class scheduling updates go to

**My Columbia**

[www.gocolumbia.edu](http://www.gocolumbia.edu)

## PSYCHOLOGY

### **PSYCH 1 General Psychology** 3.0

Recommended for Success: ENGL 151. An introductory survey course of the general field of psychology. Topics to be covered include: the scientific method (including the impact of diversity and ethics), conditioning, personality development, aggression, emotions, stress, anxiety, therapy, sexuality, motivation, consciousness, biology and behavior, and abnormal psychology. (MJC PSYCH 101) Transfer: UC/CSU

0330 MW Lec 9:40A - 11:05A Oak Pavilion 9  
Trolier T  
*This is a Blackboard Enhanced section. See page 84.*

1951 MW Lec 1:00P - 2:25P Oak Pavilion 9  
Daniel M

0331 TTH Lec 1:00P - 2:25P Sugar Pine 126  
Trolier T  
*This is a Blackboard Enhanced section. See page 84.*

2202 M Lec 6:00P - 9:05P Sugar Pine 126  
Daniel M

2505 TTH Lec 9:40A - 11:05A Sugar Pine 126  
Staff

### **PSYCH 5 Human Sexual Behavior** 3.0

Recommended for Success: ENGL 151. Exploration of issues in human sexuality from the biological perspective. Study and discussion of sexual behavior, feelings and attitudes as they affect one's self and others. (MJC PSYCH 110) Transfer: UC/CSU

1773 MW Lec 11:20A - 12:45P Oak Pavilion 9  
Trolier T  
*This is a Blackboard Enhanced section. See page 84.*

2203 MW Lec 2:40P - 4:05P Maple 102  
Daniel M

1051 TTH Lec 2:40P - 4:05P Sugar Pine 126  
Trolier T  
*This is a Blackboard Enhanced section. See page 84.*

### **PSYCH 10 Lifespan Human Development** 3.0

Recommended for Success: PSYCH 1. An introduction to the scientific study of the human being from conception to death. The interplay of biological, psychological, social and cultural forces on the developing human will be examined. As well as examining universal development, the course will examine individual differences in human development that includes developmental problems associated with physical, cognitive, social and personality issues. Instruction will include theoretical concepts as well as practical application. (MJC PSYCH 141) Transfer: UC/CSU

0737 MW Lec 2:40P - 4:05P Oak Pavilion 9  
Trolier T  
*This is a Blackboard Enhanced section. See page 84.*

## PSYCHOLOGY (continued)

### **PSYCH 30 Psychology of Adjustment 3.0**

Recommended for Success: ENGL 151. The study of personal growth and adjustment to help prepare the individual for lifelong understanding of self and adjustments over the life span. Discussion of personality theory and development, interpersonal relations, sexuality, stress management, family dynamics, dealing with losses, and other concerns of the individual in our society. Field trips may be required. (MJC PSYCH 130) Transfer: CSU

**1770 T Lec 6:00P - 9:05P Maple 102**  
**Jensen B**

### **PSYCH 35 Introduction to Drugs and Behavior 3.0**

Recommended for Success: PSYCH 1. An introduction to how drugs affect behavior. Instruction in basic pharmacology and neurophysiology as it relates to drug self-administration and resultant altering of behavior. Overview of the history, concepts and theory of drug use. Includes discussion of issues related to drug use such as drug abuse as a disease or disorder, and drug use for specific purposes such as enhancing sports performance. Designed for students who do not possess a technical background. (MJC HUMSR 116) Transfer: UC/CSU

**2454 MW Lec 8:00A - 9:25A Oak Pavilion 9**  
**Wilson W**

### **PSYCH 56 Introduction to Psychosocial Rehabilitation 3.0**

Prerequisite: PSYCH 52. The course reviews the history of the treatment of persons with psychiatric disorders and shows the evolution of thinking and practice in the field. The course provides an overview of the fundamental theories, strategies, practice models and interventions commonly utilized in psychosocial rehabilitation. During the course, the student will review the principles and values of psychosocial rehabilitation, emphasizing consumer empowerment and recovery. The course will cover a brief history of the field, current practice models, and will identify important issues facing the psychosocial rehabilitation practitioner today. The purpose of this course is to present the core values and principles of recovery-oriented, psychosocial rehabilitation practice. Also presented is basic information on psychiatric disorders, current research and how to work in an empowering way with consumers about medication. Transfer: CSU

**2455 TH Lec 6:00P - 9:05P Cedar 10**  
**Koorkoff M**

## SEARCH & RESCUE

### **SAR 50 Low Angle Rope Rescue 1.5**

This course is designed to take the student to the basic skill and knowledge levels of Low Angle (not vertical) Rope Rescue. Topics will include, but are not limited to: basic rappelling, rescue of ambulatory and non-ambulatory persons with an emphasis on safety and teamwork. Topics reflect current Urban Search and Rescue and California State Fire Training standards and equipment. Successful students will be certified in Low Angle Rope Rescue by the California State Fire Marshal's Office. Credit may be earned for only one of the following: SAR 50 or FIRE 50. Offered for Pass/No Pass grading only. (Transfer: CSU)

**MATERIALS FEE: \$50.00**

**2109 FSSU Lec 8:00A - 5:00P Cedar 10**  
**Palmer B**

03/07/2014 to 03/09/2014

*Students must provide leather gloves for hand protection. Columbia College will provide a helmet for head protection. Leather hiking or safety boots recommended. Students who want to receive a California State Fire Marshal certification must be prepared to pay an additional fee of \$20 on or before the first day of class to the Business Office.*

### **SAR 51 High Angle Rope Rescue 1.5**

Prerequisite: SAR 50 or FIRE 50 with a grade of C or better, or P. This course is designed to take the student from the basic skill levels of Low Angle (non vertical) Rope Rescue Certification to the more complex rappelling and rope rescue skills found in High Angle (vertical) Rope Rescue situations. This course will reflect current Urban Search and Rescue and California State Fire Training standards. Credit may be earned for only one of the following: SAR 51 or FIRE 51. Offered for Pass/No Pass grading only. Transfer: CSU

**2114 F Lec 6:00P - 10:00P Redbud 2**  
**AND FSSU Lec 8:00A - 5:00P Sierra**  
**Palmer B Conservation Center**

03/21/2014 and 04/11/2014 to 04/13/2014

*All students must attend an orientation session on Friday, 3/21 at 6:00P in Redbud 2. Background checks are required for access to the training site at Sierra Conservation Center. Students must provide leather gloves for hand protection. Columbia College will provide a helmet for head protection. Leather hiking or safety boots recommended.*



## SEARCH & RESCUE (continued)

### SAR 62 GIS Mapping – Introduction to SAR GIS 1.0

Students who take this course will learn how to apply their GIS skills in Search and Rescue (SAR) Mapping. Students will learn SAR incident symbology, data standards and organization, establishing incident locations, search segments, SAR incident map products, and responsibilities of a GIS specialist on SAR's and other critical incidents. The course will use a workflow and data model developed by SAR personnel that integrates with ArcGIS 10. Additionally, students will utilize GPS data that they have collected from GPS devices, convert them to shapefiles, and create team and briefing incident maps. During a full-day exercise, students will also live-track SAR teams using satellite tracking devices. This course includes hands-on experience in SAR incident Mapping and data organization. Credit may be earned for only one of the following: SAR 62, CMPSC 62 or GEOGR 62. Offered for Pass/No Pass grading only. Transfer: CSU

2507 FSSU Lec 10:00A – 4:00P Fir 1  
Durkee G  
04/11/2014-04/13/2014

## SIGN LANGUAGE

### SIGN 40A ASL - Beginning Communication 3.0 with the Deaf

This is the beginning course in American Sign Language (ASL) and Deaf culture. ASL is the language used by culturally Deaf people in the United States. The class focus is on everyday conversations and situations. Emphasis is on both receptive and expressive skills. Transfer: UC/CSU

1915 MW Lec 2:40P - 4:05P Aspen 1  
Howard S

2215 MW Lec 4:20P - 5:45P Aspen 1  
Howard S

2469 MW Lec 6:00P - 7:05P Bret Harte High  
Staff School 52

### SIGN 40B ASL - Intermediate Communication 3.0 with the Deaf

Prerequisite: SIGN 40A with a grade of C or better, or P. This is an intermediate course in American Sign Language (ASL) and Deaf culture. ASL is the language used by culturally Deaf people in the United States. The class focus is on everyday conversations and situations. Emphasis is on both receptive and expressive skills. Transfer: UC/CSU

1916 TTH Lec 6:00P - 7:25P Aspen 1  
Allan G

### SIGN 40C ASL - Advanced Intermediate 3.0 Communication with the Deaf

Prerequisite: SIGN 40B with a grade of C or better, or P. This is the third course in American Sign Language (ASL) and Deaf Culture. ASL is the language used by most deaf people in the United States. Emphasis is on improving speed and fluency. Transfer: UC/CSU


1917 TTH Lec 6:00P - 7:25P Aspen 1  
Allan G

## SKILLS DEVELOPMENT

### SKLDV 610 Introduction to Computer Access 1.0

Prerequisite: Verified disability according to California Community College Title 5 regulations. This course is designed to provide access to and instruction in specialized computer programs for students with verified learning, developmental, or physical disabilities. Students will work in one or more areas, including adaptive typing and word processing, fundamental academic skills such as reading, spelling, vocabulary, grammar, and mathematics, and/or cognitive exercises and memory-building techniques. Offered for Pass/No Pass grading only.

2229 T Lab 2:40P - 4:05P Toyon 1  
Rodts K

 This is a hybrid section. See page 84.

## SOCIOLOGY

### SOCIO 1 Introduction to Sociology 3.0

Introduction to the principal concepts and methods of sociology; survey of interactions, interrelationships and processes of society, such as culture, socialization, stratification, minorities, primary and secondary groups, social change. (MJC SOCIO 101) Transfer: UC/CSU

1959 M Lec 2:40P - 5:45P Sugar Pine 126  
Kolstad A

0338 TTH Lec 8:00A - 9:25A Oak Pavilion 9  
Clarke P

### SOCIO 2 American Society: Social Problems 3.0 and Deviance

A focus on social problems, such as family disorganization, religious conflicts, educational irregularities, poverty, physical and mental health care, political issues, crime and justice, violence and aggression, drug issues, and environmental problems. These problems and others will be studied from the perspective of social institutions, social deviance, and other perspectives of sociology. (MJC SOCIO 102) Transfer: UC/CSU

0339 TTH Lec 9:40A - 11:05A Oak Pavilion 9  
Clarke P

*This is a team-taught course. See instructor's web page for more information.*

## SOCIOLOGY (continued)

### **SOCIO 28 Death and Dying** 3.0

Principles, concepts and methods of sociology used in examining predominant attitudes and practices regarding death, dying, and grief in the U.S.; included will be interdisciplinary methods and materials relevant to suicide, the terminally ill, bereavement, and various viewpoints about the phenomenon of death. Field trips may be required. (MJC HUMSR 114) Transfer: CSU

2494 MW Lec 8:00A - 9:25A Fir 3  
Clarke P


## SPANISH

### **SPAN 1A Spanish: Beginning** 5.0

Recommended for Success: Eligibility for ENGL 1A. Introduction to the Spanish language, emphasizing natural communications and supported by foundation grammar. For true beginners and students with one year of high school Spanish or the equivalent. (MJC SPAN 101) Transfer: UC/CSU

2399 MWF Lec 4:20P - 5:50P Sugar Pine 214  
Pfleger J

2012 Borden T


 This is an online section. See page 84.

### **SPAN 1B Spanish: Beginning** 5.0

Prerequisite: SPAN 1A with a grade of C or better, or P, or two years of high school Spanish. Continuation of SPAN 1A, fundamentals of spoken and written Spanish. (MJC SPAN 102) Transfer: UC/CSU

0340 MWF Lec 6:00P - 7:30P Sugar Pine 214  
Pfleger J

1401 Borden T

 This is an online section. See page 84.

## FAQs

columbia  
college  
counseling

### **What is a major? Do I have to declare one?**

A major is an organized program of courses within a discipline leading to an Associate Degree, Career Technical Education Certificate, or transfer to a college or university. If you haven't declared a major, and you would like to, or if you have declared one and would like to change it, you must meet with a counselor for assistance in major selection and declaration.

## SPEECH COMMUNICATION

### **SPCOM 1 Introduction to Public Speaking** 3.0

Principles of oral communication; speech composition and techniques of presenting informal and formal speeches. Emphasis given to organization, delivery, critical thinking, and evaluative listening. (MJC SPCOM 100) Transfer: UC/CSU

1626 MW Lec 9:40A - 11:05A Aspen 1  
Elizondo T

2180 MW Lec 11:20A - 12:45P Fir 3  
Elizondo T

2182 TTH Lec 9:40A - 11:05A Fir 3  
Elizondo T

0605 TTH Lec 11:20A - 12:45P Fir 3  
Perez A  
*This is a Blackboard Enhanced section. See page 84.*

2458 TTH Lec 1:00P - 2:25P Fir 3  
Perez A  
*This is a Blackboard Enhanced section. See page 84.*

2457 TTH Lec 2:40P - 4:05P Sugar Pine 214  
Olsen T

1767 T Lec 6:00P - 9:05P Sugar Pine 214  
Whitmer A  
*This is a Blackboard Enhanced section. See page 84.*

### **SPCOM 2 Argumentation and Debate** 3.0

Prerequisite: SPCOM 1 with a grade of C or better, or P. A study of argumentation and debate. Emphasis is given to analysis of the rules, strategies, and argumentation models central to parliamentary debate. Special consideration will be given to the elements of logic; analysis of opposing arguments and models of refutation and rebuttal. These areas of inquiry are conducted through modes specific to oral traditions and contemporary debate theory. (MJC SPCOM 104) Transfer: UC/CSU

1599 MW Lec 1:00P - 2:25P Fir 3  
Elizondo T

### **SPCOM 4 Introduction to Human Communication** 3.0

This course provides a brief introduction to topics and subjects central to the discipline of speech communication. The course introduces students to non-verbal communication, interpersonal communication, group communication and public speaking. Students will have an opportunity to practice and study all four modes. (MJC SPCOM 102) Transfer: UC/CSU

1019 TTH Lec 4:20P - 5:45P Sugar Pine 126  
Perez A  
*This is a Blackboard Enhanced section. See page 84.*

## SPEECH COMMUNICATION (continued)

### SPCOM 7 Forensics Workshop 3.0

Principles of applied speech communication through participation in competitive speech performances. Students will participate in intercollegiate forensics. Competitive events include debate, individual speaking, and interpretive performances. Field trips required. May be repeated three times. (MJC SPCOM 105) Transfer: CSU

1600 MW Lec 1:00P - 2:25P Fir 3  
Elizondo T

### SPCOM 9 Introduction to Small Group and Team Communication 3.0

This course focuses on the intersection between communication and the ability of small groups or teams to effectively achieve objectives. Course includes the study of, and practice in, discussion methodology, types of discussion groups, information gathering, problem solving, decision making, and leadership roles. Credit may be earned for only one of the following: SPCOM 9 or BUSAD 9. Transfer: CSU

2237 TTH Lec 4:20P - 5:45P Sugar Pine 214  
Olsen T

### SPCOM 12 Media and American Culture 3.0

An overview of the evolution of mass media and its cumulative effects on public perception and American cultural identity. Specific emphasis includes television, newspapers, film, advertising, and the internet. Course content explores the relationship the media has in shaping public perception and behavior. Transfer: UC/CSU

2459 TTH Lec 11:20A - 12:45P Sugar Pine 214  
Elizondo T

## WELDING TECHNOLOGY

### WT 101 Practical Laboratory 1.0

Prerequisite: WT 100 with a grade of C or better, or P. The student shall gain practical welding experience by working on individual projects (including certification projects). Emphasis is on quality, appearance and function.

**MATERIALS FEE: \$20.00**

1886 T Lab 4:00P - 7:05P Mahogany 101  
Holman D  
*Students must provide special equipment or supplies or may incur additional cost.*

1884 M Lab 6:00P - 9:05P Mahogany 101  
Frost M  
*Students must provide special equipment or supplies or may incur additional cost.*

1883 W Lab 6:00P - 9:05P Mahogany 101  
Holman D  
*Students must provide special equipment or supplies or may incur additional cost.*

### WT 103 Practical Laboratory - Metal Sculpture 1.0

Prerequisite: WT 166 with a grade of C or better, or P. The student shall gain practical experience by working on individual projects in metal sculpture design and fabrication. Emphasis is on quality, appearance and function. Credit may be earned for only one of the following: WT 103 or ART 103.

**MATERIALS FEE: \$40.00**

1152 TH Lab 2:00P - 5:05P Mahogany 101  
Frost M  
*Students must provide special equipment or supplies or may incur additional cost.*

### WT 121 Welding Technology Level I 3.0

Covers welding safety, shielded metal arc welding (SMAW), and metal cutting processes. This course complies with American Welding Society (AWS) and Schools Excelling through National Skills Education (SENSE) curriculum standards. Students are required to supply leathers, safety glasses, and welding gloves. Field trips may be required.

**MATERIALS FEE: \$20.00**

1902 M Lec 4:00P - 5:00P Madrone 2  
AND M Lab 5:00P - 7:30P Mahogany 101  
AND T Lab 4:00P - 7:30P Mahogany 101

Holman D

*Students must provide special equipment or supplies or may incur additional cost.*

2193 M Lec 6:00P - 7:00P Madrone 2  
AND M Lab 7:00P - 9:30P Mahogany 101  
AND T Lab 6:00P - 9:30P Mahogany 101

Frost M

*Students must provide special equipment or supplies or may incur additional cost.*

### WT 122 Welding Technology Level II 3.0

Prerequisite: WT 121 or WT 100 with a grade of C or better, or P. Covers welding safety, welding symbols and detail drawings, characteristics of metallurgy. Gas Metal Arc Welding (GMAW), Flux Core Arc Welding (FCAW) and Gas Tungsten Arc Welding (GTAW) processes. This course complies with American Welding Society (AWS) and Schools Excelling through National Skills Education (SENSE) curriculum standards. Materials fee is \$20.00.

Students are required to supply leathers, safety glasses, and welding gloves. Credit may be earned for only one of the following: WT 122 or WT 110. Field trips may be required.

**MATERIALS FEE: \$20.00**

2191 W Lec 6:00P - 7:00P Madrone 2  
AND W Lab 7:00P - 9:30P Mahogany 101  
AND TH Lab 6:00P - 9:30P Mahogany 101

Holman D

*Students must provide special equipment or supplies or may incur additional cost.*

## WELDING TECHNOLOGY (continued)

### WT 123 Welding Technology Level III 3.0

Prerequisite: WT 122 with a grade of C or better, or P. Covers welding safety, Shielded Metal Arc Welding (SMAW), including stainless steel, all positions, Gas Metal Arc Welding (GMAW) all positions, Flux Core Arc Welding (FCAW) all positions and Gas Tungsten Arc Welding (GTAW), including stainless steel, all positions. This course complies with American Welding Society (AWS) and Schools Excelling through National Skills Education (SENSE) curriculum standards. Students are required to supply leathers, safety glasses, and welding gloves. Field trips may be required.

**MATERIALS FEE: \$20.00**

2194	W	Lec	6:00P - 7:00P	Madrone 2
	AND W	Lab	7:00P - 9:30P	Mahogany 101
	AND TH	Lab	6:00P - 9:30P	Mahogany 101

**Holman D**

*Students must provide special equipment or supplies or may incur additional cost.*

### WT 165 Metal Sculpture 1.5

An introduction to various metal working techniques with an emphasis on aesthetic design and quality of metal joining. An introduction to M.I.G. welding will be offered, time being available. Credit may be earned for only one of the following: WT 165 or ART 165. Field trips may be required.

**MATERIALS FEE: \$40.00**

1887	TH	Lec	1:30P - 2:00P	Madrone 2
	AND TH	Lab	2:00P - 5:00P	Mahogany 101

**Frost M**

*Students must provide special equipment or supplies or may incur additional cost.*

### WT 166 Metal Sculpture Projects 1.0

Prerequisite: WT 165 or ART 165, with a grade of C or better, or P. This course is designed to allow students to expand upon their skills in metal sculpture techniques and to provide for the student a more individualized pursuit in metal sculpturing. Students will work progressively more independently from instructor direction. Field trips may be required. Credit may be earned for only one of the following: WT 166 or ART 166. Field trips may be required.

**MATERIALS FEE: \$40.00**

2128	TH	Lab	1:30P - 4:40P	Mahogany 101
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**Frost M**

*Students must provide special equipment or supplies or may incur additional cost.*



## First Semester Experience / Spring 2014

Columbia College is offering a **two-day-per-week** First Semester Experience for college students. This program is designed to boost your success in achieving your college goals. The First Semester Experience provides you a course load of **12 units** (important if you are applying for financial aid) carefully scheduled **from 8:15A to 4:20P two days a week**. This program connects students with essential student support services and a **waiver of book costs** for all courses. If you wish to be considered for the First Semester Experience Program, you will need to have an intake appointment with a counselor to review your assessment scores and determine eligibility.

Course	Section	Title	Days	Time	Room	Units
MATH 602	1990	Prealgebra	TTH	8:15A - 10:20A	Maple 104	4.0
GUIDE 100	1989	College Success	TTH	10:30A -11:55A	Maple 104	3.0
ENGL 151	1988	Prep. for College Comp	TTH	1:50P -4:15P	Maple 104	5.0

**TOTAL UNITS 12.0**

#### Eligibility requirements for enrollment include the following:

- Assessment and placement into English 151 and Math 602
- Desire and ability to attend college classes from 8:15A to 4:15P on Tuesdays and Thursdays
- Willingness to work hard in a supportive setting and achieve life-changing goals

Please call 588.5109 as soon as possible to make an appointment with a college counselor.

This program is limited to 24 students. **The enrollment deadline is January 3, 2014.**

Plan early; counseling appointments fill fast.



**Columbia College Counseling Office / 588.5109**