

# *Spring* 2015

## *Class Schedule*

February 9 to June 8



# SPRING 2015 Class Schedule

February 9 to June 6



## ACCOUNTING

Dean: Nicole Albo-Lopez, Aspen Hall - AH/TE-511, (213) 763-7025

### ACCOUNTING 001 INTRODUCTORY ACCOUNTING I (UC:CSU) 5.00 Units

Advisory: Business 38 and English 21.

Introduces the fundamental principles and concepts of accounting as a basis for financial communication in business. This includes the procedures for maintaining records in business transactions and the preparation of financial statements for the sole proprietorship in a service and merchandising firm. Procedures and techniques for internal control, deferrals and accruals, inventory, plant assets, accounts receivable, accounts payable, and payroll are included.

0101 8:35am - 9:55am MTWTh CH/ K258  
3001 6:00pm - 8:35pm MW CH/ K324  
3004 6:00pm - 8:30pm TTh CH/ K304

### ACCOUNTING 003 INTERMEDIATE ACCOUNTING I (CSU) 3.00 Units

Advisory: Accounting 2 and Business 38.

This course provides complete analytical application and an advanced review of topics discussed in Accounting I and II. Topics include assets (current, fixed, and intangible), investments, financial statements, income taxes, liabilities, stockholders equity, revenue recognition, asset acquisition and leases. This course places a high emphasis on financial reporting standards.

3008 9:00am - 12:35pm Sat CH/ K210

### ACCOUNTING 011 COST ACCOUNTING (CSU) 3.00 Units

Advisory: Accounting 1; Accounting 2; Business 38.

This course covers both managerial and cost accounting, with emphasis on cost and non-systems; types of cost; elements of cost; cost behavior; variances for labor, materials and overhead; indirect expenses; allocation of cost to by-products; standard cost and budgets.

3009 6:00pm - 9:25pm M CH/ K208

### ACCOUNTING 015 TAX ACCOUNTING I (CSU) 3.00 Units

This course is a study of Federal Income Taxes as they apply to individuals and sole proprietorships and an analysis of appropriated tax laws. Consideration of applicable accounting procedures and preparation of reports and returns are emphasized.

0102 8:00am - 11:35am SAT CH/ K208

### ACCOUNTING 018 COMPUTERIZED PAYROLL ACCOUNTING 3.00 Units

Advisory: Accounting 1.

This course will cover procedures and practices involved in a manual or automated payroll system. Students will become familiar with current Federal and California laws affecting payroll, computation of payroll taxes and preparation of required payroll tax returns/forms.

3017 1:35pm - 3:55pm SAT CH/ K210  
& lab 3:50pm - 6:00pm SAT CH/ K210

### ACCOUNTING 021 BOOKKEEPING AND ACCOUNTING I (UC:CSU) 3.00 Units

Advisory: Business 38.

This course includes fundamentals of double entry bookkeeping; preparation of the trial balance; worksheets and financial statement; use of controlling accounts; the control of cash and bank reconciliation statements. Students may complete a mercantile firm practice set.

0133 6:00pm - 9:20pm W CH/ K210

### ACCOUNTING 025 AUTOMATED ACCOUNTING METHODS AND PROCEDURES (CSU) 3.00 Units

This course emphasizes the hands-on use of popular computer software applications to accounting and business, with special reference to the general ledger, billing, accounts receivable, accounts payable, payroll, and inventory control.

3013 5:00pm - 8:20pm W CH/ K208

## ADMINISTRATION OF JUSTICE

Chair: Freddie McClain, Aspen Hall - AH/TE-516, (213) 763-3936

### ADMINISTRATION OF JUSTICE 002 CONCEPTS OF CRIMINAL LAW (UC:CSU) 3.00 Units

This course deals with the structure of law, definitions, and the most frequently used sections of the California Penal Code. Topics include origins of federal and state laws, interpretation and application of laws, identifying elements of property crimes and criminal liability.

4651 6:00pm - 9:10pm T AH/T E301

### ADMINISTRATION OF JUSTICE 003 LEGAL ASPECTS OF EVIDENCE (CSU) 3.00 Units

Students will be able to locate, develop and lift fingerprints from crime scenes; a must for those students interested in law enforcement as a police officer or evidence specialist or private investigations.

This course provides instruction in the origins, development and philosophy of criminal evidence. This course looks at the many different types of evidence brought into the justice system. Also covered are the rules governing the admissibility of evidence in court.

4650 6:00pm - 9:10pm W AH/T E301

### ADMINISTRATION OF JUSTICE 075 INTRODUCTION TO CORRECTIONS (CSU) 3.00 Units

This course surveys the total correctional cycle and the relationships of its components, including historical, theoretical and philosophical explanations of criminal behavior; statistics and research findings; employment opportunities; and employment requirements. This course will also examine the basic nature of correctional work; aims and objectives of correctional administration; probation and parole; skills; knowledge and attitudes required for employment in this field.

4652 6:00pm - 9:10pm Th AH/T E301

### ADMINISTRATION OF JUSTICE 502 INTRODUCTION TO FORENSIC PSYCHOLOGY (CSU) 3.00 Units

This is a basic course dealing with the nature of Psychology within the criminal justice system. The aims and objectives of Forensic Psychology as applied to corrections, probation practices, institutions, services, and inmate supervision will be discussed.

4653 6:00pm - 9:10pm M AH/T E401

## AMERICAN SIGN LANGUAGE

Chair: John Glavan, Aspen Hall - AH/TE-520, (213) 763-3931

### AMERICAN SIGN LANGUAGE 001 AMERICAN SIGN LANGUAGE I (UC:CSU) 4.00 Units

This is an introductory course designed to develop basic conversational skills using the manual alphabet and American Sign Language. It is planned to assist in communicating with deaf individuals and have a better understanding of deaf culture. This course develops basic vocabulary and grammar of American Sign Language. Its emphasis is placed on comprehension skills and vital aspects of the Deaf culture and community.

1425 8:00am - 10:05am MW MH 305  
1426 12:00pm - 2:05pm MW MH 309  
3850 6:00pm - 8:05pm TTh MH 305

### AMERICAN SIGN LANGUAGE 002 AMERICAN SIGN LANGUAGE II (UC:CSU) 4.00 Units

Prerequisite: American Sign Language I.

This is an intermediate course in American Sign Language with special emphasis on vocabulary, grammar dialog, and on the improvement of expressive and receptive skills. This course includes exposure to deaf culture and the history of sign languages.

3851 6:00pm - 8:05pm TTh MH 309

# SPRING 2015 Class Schedule

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## ANATOMY

Chair: Miguel Moreno, Cedar Hall - CH/K-405, (213) 763-7322

### ANATOMY 001 4.00 Units INTRODUCTION TO HUMAN ANATOMY (UC:CSU)

Prerequisite: BIO 3 or 36

A detailed study of structures and systems of the human body. Laboratory work includes microscopy, mammalian dissections, and use of anatomical models.

1616	8:00am - 9:00am	MW	TBA
&lab	9:10am - 10:40am	MW	CH/ K468
&lab	1:00 hrs/wk	TBA	ON LINE

Please visit the online program homepage at <http://moodle.lattc.edu> prior to the start of class for directions.

1617	10:50am - 12:20pm	MW	CH/ K406
&lab	12:30pm - 2:00pm	MW	CH/ K468

1618	12:30pm - 2:00pm	MW	CH/ K406
&lab	2:10pm - 3:40pm	MW	CH/ K468

1620	11:35am - 1:05pm	TTh	CH/ K406
&lab	1:15pm - 2:45pm	TTh	CH/ K468

4057	6:30pm - 8:00pm	TTh	CH/ K468
&lab	8:10pm - 9:40pm	TTh	CH/ K468

## ANTHROPOLOGY

Chair: Freddie McClain, Aspen Hall - AH/TE-516, (213) 763-3936

### ANTHROPOLOGY 101 3.00 Units HUMAN BIOLOGICAL EVOLUTION (UC:CSU)

Advisory: English 28.

This course is an introduction to the field of biological anthropology. Topics covered include genetic inheritance, the mechanisms of evolution, the biology and behavior of living primates, the history of human evolution as seen in the fossil record, and modern human biological variation.

1000	8:35am - 10:00am	MW	AH/T E315
1001	10:10am - 11:35am	MW	AH/T E315
1003	11:45am - 1:10pm	TTh	AH/T E315
3606	6:00pm - 9:10pm	W	AH/T E323
7971	3:15 hrs/wk	TBA	ON LINE

Please visit the online program homepage at <http://moodle.lattc.edu> prior to the start of class for directions.

**Anthropology 101** is also offered through ITV. Please visit [www.lamission.edu/itv](http://www.lamission.edu/itv). Telephone: (818) 833-3594 or (800) 917-9277

### ANTHROPOLOGY 101H 3.00 Units HUMAN BIOLOGICAL EVOLUTION - HONORS (UC:CSU)

Advisory: English 28.

This course is an introduction to the field of biological anthropology. Topics covered include genetic inheritance, the mechanisms of evolution, the biology and behavior of living primates, the history of human evolution as seen in the fossil record, and modern human biological variation.

1171	8:35am - 10:00am	MW	AH/T E315
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### ANTHROPOLOGY 102 3.00 Units HUMAN WAYS OF LIFE: CULTURAL ANTHROPOLOGY (UC:CSU)

Advisory: English 28.

This course provides a comparative survey of human culture, including the study of human society, language, religion, political and economic organization, with examples drawn from contemporary preliterate, peasant, and urban societies.

1005	8:35am - 10:00am	TTh	AH/T E315
1006	11:45am - 1:10pm	MW	AH/T E315

**Anthropology 102** is offered through ITV. Please visit [www.lamission.edu/itv](http://www.lamission.edu/itv). Telephone: (818) 833-3594 or (800) 917-9277

## ARCHITECTURE

Chair: William Elarton, Sequoia Hall - SQ/B-122, (213) 763-3701

### ARCHITECTURE 131 2.00 Units HISTORY OF ARCHITECTURE II (UC:CSU)

This course covers the study of architecture history from the Renaissance to our current times, the development of place and function as it is influenced by the geographical, climatic, religious, social, economic and historical forces. This course analyzes the difference between world architecture history and western architecture history, including the characteristics of Latin America, Islamic and Asia. The history of architecture is seen through a perspective of how the built environment has responded to nature forces and resources; air, water, air and land. In addition each period identifies technological innovation that characterized the historical roots in numerous civilizations.

8008	12:45pm - 1:50pm	MW	RH/ C107
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### ARCHITECTURE 152 3.00 Units EQUIPMENT OF BUILDINGS (CSU)

Using geospatial tools and sustainable strategies this course applies the basic principles of design, selection and operation of equipment in buildings. Building equipments are systems that integrate architectural design with water distribution, water recycling and harnessing, air circulation, natural air flow, air heating and cooling, natural light, and acoustics. Passive and solar strategies are integrated into equipment as well as new technologies.

8004	9:45am - 10:15am	TTh	RH/ C107
&lab	10:15am - 12:20pm	TTh	RH/ C107

### ARCHITECTURE 173 3.00 Units ARCHITECTURAL DRAWING II (CSU)

This is an architecture drawing class that will focus on construction documents for concrete and masonry construction. The course will cover how these architectural drawings are documents that instruct all the stakeholders how to use, build and maintain a high performance building. The course will explain how construction documents made out of concrete and masonry are connected to the life cycle of a building. It covers an integrated building approach as it identifies the deliverables for: programming (identify the need), design drawings (identify the solutions), construction documents (drawings used to build the building), operation/maintain (as built drawings) and assessment (analysis for upgrade and improvement). In addition this course will cover CAD, BIM, and GIS tools, LEED Credits, Sustainable Standards and their relationship to a set of construction documents for concrete and masonry construction. The student will develop a simple set of construction documents for concrete and masonry.

8000	9:45am - 10:15am	MW	RH/ C107
&lab	10:15am - 12:20pm	MW	RH/ C107

### ARCHITECTURE 202 3.00 Units ARCHITECTURAL DESIGN II (UC:CSU)

This course looks at space and form as a canvas for an architect, moving beyond abstraction language paradoxes, and formal gymnastics. Design and form integrates embodied energy of all resources, cognitive experiences, new materials, stronger social concerns and the need to react to location and space. It will see the creation of place and space, as a first act of human intention and use nature templates to solve holistic solutions. This course analyzes how the geometry of space influences how we communicate, behave, think, create, and produce; as well as its influences in cognition and mental model. This course will focus on building a better future through participatory design and the use of digital age tools including fabrication and geospatial

8001	7:00am - 7:30am	TTh	RH/ C107
&lab	7:30am - 9:35am	TTh	RH/ C107

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**ARCHITECTURE 261** **3.00 Units**  
**COMPUTER-AIDED DESIGN FOR ARCHITECTURE I (CSU)**  
 This is a digital modeling course for space and form design. This course covers space modeling, energy simulation, solar paths, light analysis, texture, rendering and materials, as well as its relationship to BIM, CAD and geospatial tools  
 8006 7:00am - 7:30am MW RH/ C107  
 &lab 7:30am - 9:35am MW RH/ C107

**ARCHITECTURE 341** **3.00 Units**  
**GIS METROPOLITAN ACCESS PLANNING SYSTEMS I (CSU)**  
 This course will cover the interconnection of BIM, CAD, GIS, spatial systems and online mapping in one construct. GIS technology and related geospatial technologies will explore intelligent building drawings as they connect to multiple environments; ecological, buildings and socio economic forces. GIS are spatial drawings with multiple types of information associated with them; business, land use, roads, rivers, parcel maps, census, others. This course introduces fundamental concepts and functionality of spatial thinking and visual computation. The course uses the GIS analytical process to quantify and qualify multiple layers of spatial information applied to sustainable projects.  
 8002 9:45am - 10:15am TTh RH/ C107  
 &lab 10:15am - 12:20pm TTh RH/ C107

## ART

Chair: John Glavan, Aspen Hall - AH/TE-520, (213) 763-3931

**ART 101** **3.00 Units**  
**SURVEY OF ART HISTORY I (UC:CSU)**  
 This course encompasses the historic study of architecture, painting and sculpture, with incidental references to the related minor arts. A survey is made of the chronological development of Western and non-European art from the Prehistoric to the Renaissance, with special emphasis upon the cultural factors that contributed to its evolution.  
 1427 7:00am - 8:25am MW MH 308  
 1428 10:10am - 11:35am MW MH 308  
 1429 11:45am - 1:10pm MW MH 308  
**3852 6:00pm - 9:10pm W MH 308**

**ART 102** **3.00 Units**  
**SURVEY OF ART HISTORY II (UC:CSU)**  
 A survey of the major visual arts of the Western world from the Early Renaissance to the present, linking art and architecture with social, economic, political and religious aspects of western and global cultures.  
 1430 8:35am - 10:00am MW MH 308  
**3853 6:00pm - 9:10pm Th MH 308**

**ART 103** **3.00 Units**  
**ART APPRECIATION I (UC:CSU)**  
 This course is designed specifically for those students who desire to expand their visual awareness through training in visual perceptual skills. The course includes exploration of the basic elements of art; visual skills are enhanced by practice in drawing techniques based on perception. Students will acquire a broad understanding of the nature of art through study of selected works from art history.  
 1431 10:10am - 11:35am TTh MH 305

**ART 201** **3.00 Units**  
**DRAWING I (UC:CSU)**  
 Instruction is given in basic pencil drawing, charcoal, pastel, and other sketching media. Painting in wash, ink, and watercolor, from still life and outdoor assignments is included. This is a course for beginners and non-art majors, as well as, a brush up course for artists.  
 1432 8:00am - 9:05am TTh MH 309  
 &lab 9:05am - 10:05am TTh MH 309  
 1433 10:10am - 11:15am MW MH 305  
 &lab 11:15am - 12:15pm MW MH 305  
 1434 12:25pm - 1:35pm MW MH 305  
 &lab 1:35pm - 2:30pm MW MH 305

**ART 300** **3.00 Units**  
**INTRODUCTION TO PAINTING (UC:CSU)**  
 An introduction to various painting materials, media, and techniques. Emphasis is placed on color mixing, value, intensity and compositional organization.  
 1435 10:10am - 11:15am TTh MH 309  
 &lab 11:15am - 12:15pm TTh MH 309

**ART 501** **3.00 Units**  
**BEGINNING TWO-DIMENSIONAL DESIGN (UC:CSU)**  
 This course introduces the elements and principles of two-dimensional (flat) design in the visual arts. Color, color theory, psychology of perception, and historical and cultural foundations are explored.  
 1436 12:25pm - 1:35pm TTh MH 305  
 &lab 1:35pm - 2:30pm TTh MH 305

## ASTRONOMY

Chair: Miguel Moreno, Cedar Hall - CH/K-405, (213) 763-7322

**ASTRONOMY 001** **3.00 Units**  
**ELEMENTARY ASTRONOMY (UC:CSU)**  
 This course is a general introduction and overview of Astronomy and covers many topics including constellations, seasons, history of Astronomy, the electromagnetic spectrum, telescopes, the Earth and other planets of our solar system, the Sun, binary stars, the Milky Way Galaxy, properties of galaxies and the Big Bang Theory. Students are kept abreast of current developments in the field.  
 1600 8:00am - 9:25am MW CH/ K406  
 1601 1:20pm - 2:45pm MW MH 308  
 1602 10:10am - 11:35am TTh CH/ K406

**4045 5:15pm - 6:40pm TTh CH/ K420**  
 Please note: During the first week, this class will meet at LATTTC, CH/ K420. Then, during the rest of the semester, it will meet at USC.

**4096 6:30pm - 9:40pm T CH/ K406**  
 Please note: During the first week, this class will meet at LATTTC, CH/ K420. Then, during the rest of the semester, it will meet at USC.

**ASTRONOMY 005** **1.00 Unit**  
**FUNDAMENTALS OF ASTRONOMY LABORATORY (UC:CSU)**  
 This course provides the laboratory work to accompany or follow Astronomy 1. This course uses astronomical instruments and laboratory equipment. Includes work with celestial sphere, sky charts, optical bench, telescopes, spectroscopes, and photometer. The course requires field trips for evening observations.  
**1603 lab 8:00am - 11:10am T CH/ K420**

**4046 lab 7:00pm - 8:25pm TTh CH/ K420**  
 Please note: During the first week, this class will meet at LATTTC, CH/ K420. Then, during the rest of the semester, it will meet at USC, EH5B - 56

## AUTOMOTIVE AND RELATED TECHNOLOGY

Chair: Jess Guerra, Oak Hall - OH/F-106A, (213) 763-3901

**AUTOMOTIVE AND RELATED TECHNOLOGY 100** **3.00 Units**  
**HEATING AND AIR CONDITIONING SYSTEMS THEORY, INSPECTION & RPR**  
 Instruction is offered in the area of (HVAC) heating, ventilation & air conditioning systems, with emphasis on function & testing of heater controls, heater cores, air conditioning compressors, clutch & controls.

**4382 5:35pm - 6:30pm TTh OH/ F128**  
**&lab 6:30pm - 9:30pm TTh OH/ F128**

7490 7:00am - 7:45am MTWThF OH/ F120  
 &lab 7:45am - 12:00pm MTWThF OH/ F106

**(6 Week Class - Starts 5/4/2015, Ends 6/7/2015)**

7491 7:00am - 7:40am MTWThF OH/ F122  
 &lab 7:45am - 12:00pm MTWThF OH/ F106

**(5 Week Class - Starts 3/23/2015, Ends 5/1/2015)**



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7492 12:30pm - 1:15pm TTh OH/ F124  
&lab 1:15pm - 4:40pm TTh OH/ F104

## **AUTOMOTIVE AND RELATED TECHNOLOGY 113 3.00 Units** **DRIVE TRAIN COMPONENTS PRINCIPLES AND PRACTICES (CSU)**

Instruction is offered in the, principles of operation, function and testing of manual/automatic transmissions and transaxles. Emphasis is placed on, power train systems, torque converter & planetary gear operation, gears & gear reduction. Laboratory instruction is offered in servicing of manual/automatic transmissions including, electronic shift controls, hydraulic fundamentals, fluids and sealing, clutches, and differentials.

**4371 5:35pm - 6:30pm MW OH/ F130**  
**&lab 6:30pm - 9:30pm MW OH/ F130**

7300 7:00am - 7:45am MTWThF OH/ F130  
&lab 7:45am - 12:00pm MTWThF OH/ F130  
**(6 Week Class - Starts 2/9/2015, Ends 3/20/2015)**

7301 7:00am - 7:45am MTWThF OH/ F130  
&lab 7:45am - 12:00pm MTWThF OH/ F130  
**(5 Week Class - Starts 3/23/2015, Ends 5/1/2015)**

7302 7:00am - 7:45am MTWThF OH/ F130  
&lab 7:45am - 12:00pm MTWThF OH/ F130  
**(6 Week Class - Starts 5/4/2015, Ends 6/7/2015)**

## **AUTOMOTIVE AND RELATED TECHNOLOGY 114 3.00 Units** **STEERING,SUSPENSION,BRAKES,PRINCIPLES AND PRACTICES (CSU)**

This course provides instruction in the theory, design, principles, diagnostics, and proper system service of automotive brake, suspension, and steering systems.

**4372 5:35pm - 6:30pm MW OH/ F108**  
**&lab 6:30pm - 9:30pm MW OH/ F108**

7306 7:00am - 7:45am MTWThF OH/ F108  
&lab 7:45am - 12:00pm MTWThF OH/ F108  
**(6 Week Class - Starts 5/4/2015, Ends 6/7/2015)**

7307 7:00am - 7:45am MTWThF OH/ F108  
&lab 7:45am - 12:00pm MTWThF OH/ F108  
**(6 Week Class - Starts 2/9/2015, Ends 3/20/2015)**

7308 7:00am - 7:45am MTWThF OH/ F108  
&lab 7:45am - 12:00pm MTWThF OH/ F108  
**(5 Week Class - Starts 3/23/2015, Ends 5/1/2015)**

7320 7:30am - 8:35am SAT OH/ F122  
&lab 8:35am - 3:05pm SAT OH/ F108

## **AUTOMOTIVE AND RELATED TECHNOLOGY 121 3.00 Units** **BASIC ENGINE THEORY INSPECTION AND REPAIR (CSU)**

This course offers instruction in the types of operating principles and performance characteristics of automotive engines. Applied mathematics and related physics are emphasized throughout the course. Students will disassemble and assemble a complete engine and apply related theory to factory procedures.

**4400 5:35pm - 6:30pm TTh OH/ F120**  
**&lab 6:30pm - 9:30pm TTh OH/ F106**

7342 7:00am - 7:45am MTWThF OH/ F122  
&lab 7:45am - 12:00pm MTWThF OH/ F122  
**(6 Week Class - Starts 2/9/2015, Ends 3/20/2015)**

7345 12:30pm - 1:15pm TTh OH/ F108  
&lab 1:15pm - 4:40pm TTh OH/ F108

7346 7:00am - 7:45am MTWThF OH/ F122  
&lab 7:45am - 12:00pm MTWThF OH/ F122  
**(6 Week Class - Starts 5/4/2015, Ends 6/7/2015)**

## **AUTOMOTIVE AND RELATED TECHNOLOGY 122 3.00 Units** **ETRICAL/ETRONIC SYSTEMS THEORY, INSPECTION & REPAIR (CSU)**

Instruction on theory, inspection & repair of automotive electronic/electrical systems and components. Emphasis is placed on charging, battery/starting & ignition systems component inspection, diagnosis & repair. This course also offers instruction on electrical wiring diagram analysis.

7343 7:00am - 7:45am MTWThF OH/ F128  
&lab 7:45am - 12:00pm MTWThF OH/ F104

**(6 Week Class - Starts 2/9/2015, Ends 3/20/2015)**

7349 7:00am - 7:45am MTWThF OH/ F128  
&lab 7:45am - 12:00pm MTWThF OH/ F104

**(5 Week Class - Starts 3/23/2015, Ends 5/1/2015)**

## **AUTOMOTIVE AND RELATED TECHNOLOGY 123 3.00 Units** **FUEL & EMISSIONS SYSTEMS THEORY, INSPECTION & REPAIR (CSU)**

Instruction is offered on engine performance, diagnosis and repair. Emphasis is placed on ignition, fuel, and emission systems. Instruction is offered on related technologies of automotive fuel delivery systems, induction and scavenging systems. The proper use of test equipment and automotive engine evaluation procedures are stressed in this course.

**4390 5:35pm - 6:25pm TTh OH/ F116**  
**&lab 6:30pm - 9:35pm TTh OH/ F116**

7344 7:00am - 7:45am MTWThF OH/ F116  
&lab 7:45am - 12:00pm MTWThF OH/ F116

**(6 Week Class - Starts 2/9/2015, Ends 3/20/2015)**

7350 7:00am - 7:45am MTWThF OH/ F116  
&lab 7:45am - 12:00pm MTWThF OH/ F116

**(12 Week Class - Starts 5/4/2015, Ends 6/7/2015)**

## **AUTOMOTIVE AND RELATED TECHNOLOGY 130 3.00 Units** **AUTOMOTIVE THEORY AND REPAIR I (CSU)**

Instruction is offered on the areas of advanced engine construction & use of engine diagnostic equipment, standard transmissions & clutches, with emphasis on diagnosis and repair procedures. Shop practice is offered on most areas of automotive repairs: engine, transmissions, drivability, brakes, suspension, steering, and automotive accessories.

7358 7:00am - 7:45am MTWThF OH/ F120  
&lab 7:45am - 12:00pm MTWThF OH/ F106

**(6 Week Class - Starts 2/9/2015, Ends 3/20/2015)**

## **AUTOMOTIVE AND RELATED TECHNOLOGY 131 3.00 Units** **AUTOMOTIVE THEORY AND REPAIR II**

Instruction is offered on the areas of advanced emission systems diagnosis, with emphasis on diagnosis & repair procedures to prepare vehicles for the State of California smog test. Shop practice is offered on most areas of automotive repairs: engine, transmissions, drivability, brakes, suspension, steering, and automotive accessories.

**4376 5:35pm - 6:15pm MW OH/ F116**  
**&lab 6:30pm - 11:05pm MW OH/ F106**

**(13 Week Class - Starts 3/10/2015, Ends 6/7/2015)**

7360 7:00am - 7:45am MTWThF OH/ F120  
&lab 7:45am - 12:00pm MTWThF OH/ F106

**(5 Week Class - Starts 3/23/2015, Ends 5/1/2015)**

## **AUTOMOTIVE AND RELATED TECHNOLOGY 135 3.00 Units** **COMPUTER CONTROL AND FUEL INJECTION (CSU)**

Instruction is offered in Automotive Computer Control and Fuel Injection Systems. Emphasis is placed on computer control electronic and fuel systems construction, function, inspection, component theory and operation, troubleshooting principles and engine condition diagnosis, testing,

**4370 5:35pm - 6:25pm MW OH/ F128**  
**&lab 6:25pm - 9:35pm MW OH/ F128**

7355 7:00am - 7:45am MTWThF OH/ F128  
&lab 7:45am - 12:00pm MTWThF OH/ F104

**(6 Week Class - Starts 5/4/2015, Ends 6/7/2015)**

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7356 7:00am - 7:45am MTWThF OH/ F116  
&lab 7:45am - 12:00pm MTWThF OH/ F108  
(5 Week Class - Starts 3/23/2015, Ends 5/1/2015)

## **AUTOMOTIVE AND RELATED TECHNOLOGY 140** 3.00 Units **AUTOMOTIVE THEORY AND REPAIR IV (CSU)**

Classroom lecture is offered in the areas of brake systems, front suspension systems, batteries, starting and charging systems, with emphasis on diagnosis and repair procedures. Shop practice is offered in most areas of automotive repairs: engine, transmissions, tune up, brakes, suspension, steering, and automotive accessories, and various other repairs using available vehicles.

7364 7:00am - 7:45am MTWThF OH/ F130  
&lab 7:45am - 12:00pm MTWThF OH/ F104  
(6 Week Class - Starts 2/9/2015, Ends 3/20/2015)

## **AUTOMOTIVE AND RELATED TECHNOLOGY 141** 3.00 Units **AUTOMOTIVE THEORY AND REPAIR V (CSU)**

Instruction is offered on, the use of electrical diagnostic equipment, interpretation of wiring diagrams, engine computer controls and charging systems. Shop practice is offered on most areas of automotive repairs: engine, transmissions, drivability, brakes, suspension, steering, and automotive accessories.

7365 7:00am - 7:45am MTWThF OH/ F108  
&lab 7:45am - 12:00pm MTWThF OH/ F104  
(5 Week Class - Starts 3/23/2015, Ends 5/1/2015)

## **AUTOMOTIVE AND RELATED TECHNOLOGY 142** 3.00 Units **AUTOMOTIVE THEORY AND REPAIR VI (CSU)**

Instruction is offered on fuel injection, automatic transmissions & heating, ventilation & air conditioning systems, with emphasis on diagnosis and repair procedures. Shop practice is offered on most areas of automotive repairs: engine, transmissions, drivability, brakes, suspension, steering, automotive accessories, and various other repairs.

7366 7:00am - 7:45am MTWThF OH/ F124  
&lab 7:45am - 12:00pm MTWThF OH/ F104  
(6 Week Class - Starts 5/4/2015, Ends 6/7/2015)

## **AUTOMOTIVE AND RELATED TECHNOLOGY 941** 4.00 Units **COOPERATIVE EDUCATION - AUTOMOTIVE AND RELATED TECHNOLOGY**

Cooperative Education is a work experience program involving the employer, the student-employee and the college to insure that the student receives on the job training and the unit credit for work experience or volunteer work/internship. Completion of at least seven units, including Cooperative Education, at the end of the semester is required. Students must be employed or volunteering/interning in order to participate in program.

9024 4:25 hrs/wk TBA CY/ D236

See Co-op Education page in the back of the schedule for meeting days and times.

## **AUTOMOTIVE COLLISION REPAIR**

Chair: Jess Guerra, Oak Hall - OH/F-106A, (213) 763-3901

### **AUTOMOTIVE COLLISION REPAIR 122** 9.00 Units **INTERMEDIATE COLLISION REPAIR-PARTS REPLACEMENT, METAL REPAIR, FRAME STRAIGHTENING & REFINISHING**

7303 7:00am - 7:50am MTWTh OH/ F132  
&lab 7:50am - 12:15pm MTWTh OH/ F110

### **AUTOMOTIVE COLLISION REPAIR 142** 9.00 Units **ADVANCED AUTOMOTIVE COLLISION REPAIR, ESTIMATING, REFINISHING, COLOR MATCHING**

7309 12:30pm - 1:35pm MTWTh OH/ F132  
&lab 1:35pm - 5:45pm MTWTh OH/ F110

### **AUTOMOTIVE COLLISION REPAIR 148** 3.00 Units **PAINT PREPARATION AND APPLICATION**

Students receive instruction in the types and properties of paint, solvent and spot painting. Cause and effect relationships of paint and surface blemishes, paint application problems, repairs and final detailing as required to I-CAR and industry standards are introduced.

4374 6:00pm - 6:30pm MW OH/ F132  
&lab 6:30pm - 9:45pm MW OH/ F110

### **AUTOMOTIVE COLLISION REPAIR 149** 3.00 Units **ESTIMATING BODY DAMAGE**

Students are taught body repair and computerized estimating collision

7315 7:30am - 8:35am SAT OH/ F132  
&lab 8:35am - 3:15pm SAT OH/ F132

## **BAKING, PROFESSIONAL**

Chair: Steven Kasmar, Sage Hall - SA/H-118, (213) 763-7332

### **BAKING, PROFESSIONAL 112** 4.00 Units

#### **BAKING PROCESSES AND THEORY OF INGREDIENTS**

Corequisite: Culinary Arts 112.

Course Covers the production of quick breads, introduction to puff pastry, laminated dough, and cookies with an emphasis placed on mixing methods. The role of leavening agents, starches, chemical reactions of ingredients and the effect on heat and cold on products. Recipe and menu development, including ingredient selection will be discussed.

7541 9:30am - 11:15am TWTh SA/ H314  
&lab 11:15am - 4:00pm TWTh SA/ H314

(9 Week Class - Starts 4/13/2015, Ends 6/7/2015)

7547 7:00am - 9:10am F SA/ H330  
&lab 9:10am - 3:30pm F SA/ H315

7549 11:00am - 1:15pm TWTh SA/ H315  
&lab 1:15pm - 5:00pm TWTh SA/ H301

(8 Week Class - Starts 2/9/2015, Ends 4/4/2015)

### **BAKING, PROFESSIONAL 121** 6.00 Units

#### **BEGINNING YEAST BREADS AND QUICKBREADS**

Prerequisite: Professional Baking 112 and Culinary Arts 112.

Class introduces student to volume lean & rich yeast bread and quick bread production with an emphasis on flour usage, chemical and natural leavening agents, as well as fat and sugar ingredient identification. Speed, accuracy, and increased productivity are stressed along with preparation of a variety of bread products up to industry standards.

7542 lab 6:30am - 10:15am MTWTh SA/ H315  
& 10:15am - 12:35pm MTWTh SA/ H301

(8 Week Class - Starts 2/9/2015, Ends 4/4/2015)

### **BAKING, PROFESSIONAL 122** 6.00 Units

#### **ARTESIAN BREADS, SPECIALTY BREADS**

Recognize formulas and demonstrate the ability to alter formulas in yeast, rolled-in, and quick bread formulas central to this class. View bread baking from an artisan™ prospective. Explore the fundamentals of baking science: How a formula works including changes of yields and altering percentages of ingredients in formulas to produce desired results are stressed. Work on increasing productivity, speed and accuracy is continued in this class.

7543 6:30am - 10:15am MTWTh SA/ H315  
& lab 10:15am - 12:10pm MTWTh SA/ H301

(9 Week Class - Starts 4/13/2015, Ends 6/7/2015)

### **BAKING, PROFESSIONAL 1316.00 Units** **PLATED RESAURANT STYLE DESSERTS**

Prerequisite: Professional Baking 112; Professional Baking 121; Professional Baking 122; Culinary Arts 112 ;

The course covers a wide range of baking techniques and topics with concentration on the composition of restaurant style plated desserts made up of a number of components.

7544 7:15am - 9:15am MTWTh SA/ H334  
& lab 9:15am - 1:25pm MTWTh SA/ H315

(8 Week Class - Starts 2/9/2015, Ends 4/4/2015)

# SPRING 2015 Class Schedule

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## BAKING, PROFESSIONAL 132 MULTI-COMPONENT DESSERTS AND PASTRIES 6.00 Units

Prerequisite: Professional Baking 112; Professional Baking 121; Professional Baking 122; Professional Baking 131 and Culinary Arts 112 ;

Students will discuss and demonstrate contemporary style multi-component plated restaurant style desserts. Topics include traditional composed desserts, modern menu fusion, international/ethnic and classical dessert combinations.

7545 7:15am - 9:15am MTWTh SA/ H334  
&lab 9:15am - 1:25pm MTWTh SA/ H315  
(9 Week Class - Starts 4/13/2015, Ends 6/7/2015)

## BAKING, PROFESSIONAL 141 ADVANCED BAKING CENTERPIECE AND DECORATING TECHNIQUES 6.00 Units

Prerequisite: Professional Baking 112; Professional Baking 121; Professional Baking 122; Professional Baking 131; Professional Baking 132; Culinary Arts 111; Culinary Arts 112 ;

This class applies procedures and techniques for preparing advanced decorative bakery items for display in a professional food service facility. Students will prepare and demonstrate various advanced techniques including: Molded and tempered chocolate show pieces, marzipan, nougatine, pastillage, pulled and molded sugar, wedding and other occasional cakes, rolled and poured fondant, and gum paste will be prepared and evaluated.

7546 6:30am - 10:40am MTWTh SA/ H315  
&lab 10:40am - 12:40pm MTWTh SA/ H330  
(9 Week Class - Starts 4/13/2015, Ends 6/7/2015)

## BASIC SKILLS

Chair: Christina Anketell, Mariposa Hall, MA-109e, (213) 763-3741

### BASIC SKILLS 002CE BASIC ENGLISH SKILLS (NDA) (RPT 9) 0.00 Unit

Basic listening, reading, speaking, and writing skills for students with minimum English language skills.

5700 5:30pm - 7:10pm MTWTh MA 109N  
(8 Week Class - Starts 2/9/2015, Ends 4/3/2015)

5701 7:30pm - 9:10pm MTWTh MA 109N  
(8 Week Class - Starts 4/13/2015, Ends 6/5/2015)

5702 5:30pm - 7:10pm MTWTh OH/ F209  
(8 Week Class - Starts 2/9/2015, Ends 4/3/2015)

5703 5:30pm - 7:10pm MTWTh OH/ F209  
(9 Week Class - Starts 4/13/2015, Ends 6/7/2015)

8702 8:00am - 9:00am MTWTh MA 109N  
(8 Week Class - Starts 2/9/2015, Ends 4/3/2015)

8705 10:00am - 11:40am MTWTh MA 109N  
(8 Week Class - Starts 4/13/2015, Ends 6/5/2015)

8709 2:00pm - 3:40pm MTWTh MA 109N  
(8 Week Class - Starts 2/9/2015, Ends 4/3/2015)

8732 3:45pm - 5:15pm MTWTh MA 109N  
(9 Week Class - Starts 4/13/2015, Ends 6/7/2015)

8741 8:00am - 9:40am MTWTh OH/ F209  
(8 Week Class - Starts 2/9/2015, Ends 4/3/2015)

8742 10:00am - 11:40am M OH/ F209  
(7 Week Class - Starts 4/13/2015, Ends 6/7/2015)

8743 12:00pm - 1:40pm T OH/ F209  
(7 Week Class - Starts 2/9/2015, Ends 4/3/2015)

8744 2:00pm - 3:40pm MTWTh OH/ F209  
(8 Week Class - Starts 4/13/2015, Ends 6/3/2015)

### BASIC SKILLS 008CE FOUNDATIONS: CRITICAL THINKING (NDA) 0.00 Unit

8701 9:00am - 12:00pm SAT MA 109N  
(6 Week Class - Starts 5/2/2015, Ends 6/6/2015)

8788 9:00am - 12:00pm SAT MA 109N  
(51 Week Class - Starts 2/9/2014, Ends 3/14/2015)

8902 8:00am - 11:20am SAT MA 109N  
(5 Week Class - Starts 3/21/2015, Ends 4/25/2015)

### BASIC SKILLS 023CE COLLEGE AND SCHOLASTIC ASSESSMENT PREPARATION (NDA) (RPT 9) 0.00 Unit

This course provides students with study, computational, writing, and critical thinking skills to prepare for the college assessment test.

8700 9:00am - 1:30pm F MA 109N  
8766 3:30 hrs/wk TBA - MA 109-2  
8767 3:30 hrs/wk TBA - MA 109-5  
8768 3:30 hrs/wk TBA - MA 109-1  
8771 3:30 hrs/wk TBA - MA 109-3

### BASIC SKILLS 035CE BASIC MATH SKILLS (NDA) (RPT 9) 0.00 Unit

This course is designed to strengthen basic math skills. Topics include properties, rounding, estimating, comparing, converting, and computing whole numbers, fractions, and decimals. Upon completion, students should be able to perform basic computations and solve relevant mathematical problems.

5704 7:30pm - 8:30pm MTWTh MA 109N  
&lab 8:30pm - 9:10pm MTWTh MA 109N  
(8 Week Class - Starts 2/9/2015, Ends 4/3/2015)

5705 7:30pm - 8:30pm MTWTh MA 109N  
&lab 8:30pm - 9:10pm MTWTh MA 109N  
(9 Week Class - Starts 4/13/2015, Ends 6/7/2015)

5706 7:30pm - 8:30pm MTWTh OH/ F209  
&lab 8:30pm - 9:10pm MTWTh OH/ F209  
(8 Week Class - Starts 2/9/2015, Ends 4/3/2015)

5707 7:30pm - 8:30pm MTWTh OH/ F209  
&lab 8:30pm - 9:10pm MTWTh OH/ F209  
(10 Week Class - Starts 4/3/2015, Ends 6/7/2015)

5725 6:00pm - 8:15pm MTWTh OH/ F211  
(8 Week Class - Starts 2/9/2015, Ends 4/3/2015)

5726 6:00pm - 8:45pm MTWTh OH/ F211  
(8 Week Class - Starts 4/13/2015, Ends 6/5/2015)

8754 10:00am - 11:00am MTWTh MA 109N  
&lab 11:00am - 11:40am MTWTh MA 109N  
(8 Week Class - Starts 2/9/2015, Ends 4/3/2015)

8755 3:45pm - 4:45pm MTWTh MA 109N  
&lab 4:45pm - 5:25pm MTWTh MA 109N  
(8 Week Class - Starts 2/9/2015, Ends 4/3/2015)

8756 8:00am - 9:00am MTWTh MA 109N  
&lab 9:00am - 9:40am MTWTh MA 109N  
(9 Week Class - Starts 4/13/2015, Ends 6/7/2015)

8757 2:00pm - 3:00pm MTWTh MA 109N  
&lab 3:00pm - 3:40pm MTWTh MA 109N  
(9 Week Class - Starts 4/13/2015, Ends 6/7/2015)

8759 8:00am - 9:00am MTWTh OH/ F209  
&lab 2:00pm - 2:40pm MTWTh OH/ F209  
(9 Week Class - Starts 4/13/2015, Ends 6/7/2015)

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8761 10:00am - 11:00am MTWTh OH/ F209  
&lab 11:00am - 11:40am MTWTh OH/ F209  
**(8 Week Class - Starts 2/9/2015, Ends 4/3/2015)**

8763 12:00pm - 1:00pm MTWTh OH/ F209  
&lab 1:00pm - 1:40pm MTWTh OH/ F209  
**(9 Week Class - Starts 4/13/2015, Ends 6/7/2015)**

8764 2:00pm - 3:00pm MTWTh TBA  
&lab 3:00pm - 3:35pm MTWTh TBA  
**(9 Week Class - Starts 4/13/2015, Ends 6/7/2015)**

8812 1:30pm - 3:10pm MTWTh OH/ F211  
**(8 Week Class - Starts 2/9/2015, Ends 4/3/2015)**

8813 1:30pm - 3:45pm MTWTh OH/ F211  
**(8 Week Class - Starts 4/13/2015, Ends 6/5/2015)**

## BASIC SKILLS 060CE 0.00 Unit

### BASIC COMPUTER LITERACY (NDA) (RPT 9)

This course introduces basic computer components and functions including computer hardware, software, using the internet, operating systems, and software applications, (e.g. word processing, spreadsheets, email and communications).

5708 7:00pm - 8:00pm TTh MA 109-1  
&lab 8:00pm - 9:10pm TTh MA 109-1  
**(8 Week Class - Starts 2/9/2015, Ends 4/3/2015)**

5709 6:00pm - 7:00pm TTh MA 109-1  
&lab 7:00pm - 8:10pm TTh MA 109-1  
**(9 Week Class - Starts 4/13/2015, Ends 6/7/2015)**

## BASIC SKILLS 073CE 0.00 Unit

### INDUSTRY OVERVIEW AND CAREER OPPORTUNITIES (NDA)

This course provides students with the basic information about the targeted industry and sectors they are focused on for their career; including essential facts, key institutions, history, career pathways and trends. This course provides students with the basic research and networking skills to become well-informed job seekers so they can effectively prepare for their career and become employed.

8750 8:00am - 10:20am F CH/ K304  
**(7 Week Class - Starts 2/9/2015, Ends 4/3/2015)**

8751 8:00am - 10:20am F CH/ K304  
**(9 Week Class - Starts 4/13/2015, Ends 6/7/2015)**

## BASIC SKILLS 077CE 0.00 Unit

### FUNDAMENTAL FOR WORKPLACE SUCCESS - TEAMWORK (NDA)

This course will prepare students to successfully collaborate and work effectively with their colleagues and co-workers in diverse settings by strengthening their employability, interpersonal and leadership skills. Students will gain insights about themselves and learn new tools and strategies that optimize their strengths and help them increase their effectiveness and efficiency at work.

5719 6:00pm - 8:10pm MW OH/ F228  
**(8 Week Class - Starts 4/13/2015, Ends 6/5/2015)**

## BASIC SKILLS 078CE 0.00 Unit

### FUNDAMENTALS FOR WORKPLACE SUCCESS II -EFFECTIVE COMMUNICATION AND LEADERSHIP SKILLS (NDA)

This course gives students the opportunity to develop their listening, communication and leadership skills appropriate for the workplace in a supportive and interactive environment. Students will be introduced to skills that can help them become active, purposeful listeners and more effective communicators and leaders for career success.

5710 4:00pm - 6:15pm TTh OH/ F228  
**(8 Week Class - Starts 2/9/2015, Ends 4/3/2015)**

## BIOLOGY

Chair: Miguel Moreno, Cedar Hall - CH/K-405, (213) 763-7322

### BIOLOGY 003 4.00 Units INTRODUCTION TO BIOLOGY (UC:CSU)

This is an introductory course dealing with the fundamental properties of living things. The structure and physiology of plants and animals, with emphasis on humans, are covered. Relationships between biological communities, genetics, and evolution are stressed.

1610 7:30am - 9:00am MW CH/ K468  
&lab 9:10am - 10:40am MW TBA

1611 12:00pm - 1:30pm TTh TBA  
&lab 1:40pm - 3:10pm TTh CH/ K408

1612 8:00am - 9:30am TTh CH/ K408  
&lab 9:40am - 11:10am TTh CH/ K258

1619 3:10pm - 4:40pm TTh CH/ K406  
&lab 4:50pm - 6:20pm TTh CH/ K468

1651 8:00am - 11:10am F TBA  
&lab 12:00pm - 3:10pm F CH/ K408

4047 lab 8:00am - 11:10am SAT CH/ K468  
& 11:30am - 2:40pm SAT TBA

4049 8:00am - 11:10am SAT CH/ K408  
&lab 11:30am - 2:40pm SAT CH/ K408

4050 6:00pm - 7:30pm MW CH/ K468  
&lab 7:40pm - 9:10pm MW CH/ K420

4051 6:00pm - 7:30pm TTh TBA  
&lab 7:40pm - 9:10pm TTh CH/ K408

4052 6:30pm - 8:00pm MW CH/ K406  
&lab 8:10pm - 9:40pm MW CH/ K468

4054 6:00pm - 7:30pm TTh CH/ K406  
&lab 7:40pm - 9:10pm TTh TBA

### BIOLOGY 005 4.00 Units

#### INTRODUCTION TO HUMAN BIOLOGY (UC:CSU)

The course includes basic biological principles as they apply to humans. The course will provide a foundation for advanced courses in Human Anatomy, Physiology, and Microbiology. Topics

include chemical principles, the cell, heredity, human anatomy and physiology, microbiology, pathology, ecology, and bioethics.

1614 8:00am - 9:30am TTh CH/ K468  
&lab 9:40am - 11:15am TTh TBA

1621 9:00am - 12:10pm F TBA  
&lab 12:30pm - 3:40pm F CH/ K468

(Highly recommended for Pre-Nursing students)

1650 8:00am - 9:30am MW CH/ K408  
&lab 9:40am - 11:10am MW TBA

4056 8:00am - 11:10am SAT CH/ K258  
&lab 11:30am - 2:40pm SAT CH/ K468

### BIOLOGY 007 5.00 Units

#### GENERAL BIOLOGY II (UC:CSU)

Prerequisite: Prerequisite: Biology 6;

This is the second of a sequence of two General Biology courses designed for life science and pre-med majors. It deals with basic concepts in evolution, systematics, anatomy, physiology and ecology of organisms.

1615 9:00am - 10:25am MW MH 309  
&lab 10:35am - 1:45pm MW CH/ K468  
&lab 9:00am - 3:30pm F CH/ K468



# SPRING 2015 Class Schedule

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## BIOTECHNOLOGY

Chair: Miguel Moreno, Cedar Hall - CH/K-405, (213) 763-7322

**BIOTECHNOLOGY 012** 4.00 Units  
**INTRODUCTION TO BIOMANUFACTURING II**  
1604 5:00pm - 6:25pm TTh MH 301  
&lab 6:45pm - 9:50pm Th CH/ K464

## BUILDING CONSTRUCTION TECHNIQUES

Chair: William Elarton, Sequoia Hall - SQ/B-122, (213) 763-3701

**BUILDING CONSTRUCTION TECHNIQUES 007** 3.00 Units  
**WEATHERIZATION - PRACTICAL ENERGY EFFICIENCY TECHNIQUES**  
This course provides expertise advice on various techniques that can be used to weatherize homes and other structures. The course is suitable for application by a professional home or energy inspector. Homeowners would also benefit from the knowledge and application of the simpler techniques. Efficiency techniques related to: Energy basics, sealing, insulating, window replacement/installation, environmental air, water, appliance energy efficiency, and lighting are just some of the areas that will be covered.  
4622 8:00am - 11:10am SAT SQ/ B105

**BUILDING CONSTRUCTION TECHNIQUES 008** 1.00 Unit  
**WEATHERIZATION-ENERGY EFFICIENCY PRACTICES**  
This course provides laboratory exercises to build skills necessary for the effective application of energy techniques that can be used to weatherize homes and other structures. Course is suitable for application by a professional weatherization contractor training entry level workers or a homeowner looking to improve their own home. Efficiency practices related to: Energy basics, sealing, insulating, window replacement/installation, environmental air, water, appliance energy efficiency, and lighting are just some of the areas that will be covered.  
8015 lab 11:30am - 3:00pm SAT SQ/ B105

**BUILDING CONSTRUCTION TECHNIQUES 009** 3.00 Units  
**ENERGY AUDITOR - RESIDENTIAL**  
A course focusing on residential energy requirements, loss and efficiency. How energy is used and lost will be discussed, along with the testing techniques and approaches to measure the amount of energy lost. Students will learn the components of an energy audit report and complete necessary forms.  
4625 6:00pm - 9:10pm W SQ/ B104

**BUILDING CONSTRUCTION TECHNIQUES 010** 3.00 Units  
**ENERGY AND UTILITY INDUSTRY CAREERS (RPT 3)**  
This course reviews the hot jobs in the energy and utility industry, and outlines a method for the student to decide on their career path. Hiring process and interview skills will be explored. Fitness for duty and other physical and physiological characteristics will be discussed. An A to Z guide to private, State, Federal, and international career opportunities will be presented.  
4618 6:00pm - 9:10pm Th R.E. IADEVAIA SQ/ B302

**BUILDING CONSTRUCTION TECHNIQUES 012** 1.00 Unit  
**ENERGY AUDITOR - RESIDENTIAL PRACTICES**  
A course focusing on the practical application of residential energy requirements, loss and efficiency. Testing techniques and measurement the amount of energy lost. Students will perform actual energy audits of simulated structures and complete necessary forms.  
4626 lab 6:00pm - 9:10pm Th SQ/ B302

**BUILDING CONSTRUCTION TECHNIQUES 014** 4.00 Units  
**CARPENTRY AND CONSTRUCTION FOR RENEWABLE ENERGY INSTALLERS**  
This course covers the roof structure principles necessary for installation of solar panels. Construction techniques and principles of roof framing and construction will be emphasized. Roof covering and flashing will also be a focus of the course. The installation and mounting of different panel mounting systems will also be demonstrated and covered in class.  
4621 6:00pm - 7:10pm TTh SQ/ B136  
&lab 7:10pm - 9:10pm TTh SQ/ B136

**BUILDING CONSTRUCTION TECHNIQUES 101** 3.00 Units  
**CONTRACT'S LICENSE LAW (CSU)**  
Contractor's License Law is designed to prepare personnel in the construction industry on the California Law requirements for attaining a California State Contractor's License. Topics covered are License Law, Mechanic's Lien Law, Employment Regulations, Worker's Compensation, Safety in Employment and Business Management.  
4824 6:00pm - 9:10pm F SQ/ B330

**BUILDING CONSTRUCTION TECHNIQUES 102** 2.00 Units  
**O.S.H.A. BASED SAFETY STANDARDS: CONSTRUCTION & INDUSTRY (RPT 3)**  
(Same as Electrical Construction Maintenance 100).  
This course provides instruction on industry safety and health rules as it applies to workers and employers within the construction industry. Topics such as fall protection, lock out tag out procedures, PPE, excavations, etc. are covered. Participants that meet the required hourly attendance and successfully pass the final exam will be eligible to receive their OSHA (30 hrs.) safety-training certificate.  
4627 2:00pm - 4:10pm Th SQ/ B102

## BUSINESS

Dean: Nicole Albo-Lopez, Aspen Hall - AH/TE-511, (213) 763-7025

**BUSINESS 001** 3.00 Units  
**INTRODUCTION TO BUSINESS (UC:CSU)**  
Special emphasis is placed on the meaning and purpose of business in our society, the historical development of business, the general economic setting for business today, and the following business areas: forms of business organization, manufacturing, marketing, human relations, financing, accounting, budgeting, reports, government-based relations and the social responsibilities of people in business.  
0131 8:35am - 10:00am TTh CH/ K210  
3016 6:00pm - 9:25pm M CH/ K210

**BUSINESS 032** 3.00 Units  
**BUSINESS COMMUNICATIONS (CSU)**  
The course emphasizes the concepts of successful written and oral communication skills in business in order to write effective business communications including letters, electronic communications, and short reports. This course also helps students develop the ability to create and present oral presentations.  
0134 1:35pm - 2:50pm TTh CH/ K322  
& lab 2:50pm - 3:50pm TTh CH/ K322  
0135 7:00am - 8:05am MW CH/ K208  
& lab 8:00am - 9:10am MW CH/ K208

**BUSINESS 033** 3.00 Units  
**TECHNICAL REPORT WRITING (CSU)**  
Advisory: English 67.  
This course provides student with technical communication skills that help in finding and using information to share with others in the workplace. It also provides techniques that communicators use to analyze an audience and purpose, to create and find the best information on a subject, to arrange the information skillfully to meet the audience's needs and preferences, and to deliver the information effectively using the most appropriate software application.  
0145 11:00am - 12:25pm TTh CH/ K210

**BUSINESS 038** 3.00 Units  
**BUSINESS COMPUTATIONS (CSU)**  
This course provides the principles of mathematics, financial accounting and general business problems that include the following: Bank services including checking account and credit card account activity, payroll calculations, cash and trade discounts merchandise mark-up and inventory valuation, simple and compound interest, annuities, stock and bond transactions, business consumer loans, taxes and insurance, depreciation, financial statements, ratios, and business statistics.  
0146 8:35am - 10:00am TTh CH/ K210  
3029 6:00pm - 9:20pm W CH/ K262

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## BUSINESS 941 4.00 Units

### COOPERATIVE EDUCATION - BUSINESS (CSU)

Cooperative Education is a work experience program involving the employer, the student-employee and the college to insure that the student receives on the job training and the unit credit for work experience or volunteer work/internship. Completion of at least seven units, including Cooperative Education, at the end of the semester is required. Students must be employed or volunteering/interning in order to participate in program.  
9032 lab 4:25 hrs/wk TBA CY/ D236  
See Co-op Education page in the back of the schedule for meeting days and times.

## CARPENTRY

Chair: William Elarton, Sequoia Hall - SQ/B-122, (213) 763-3701

### CARPENTRY 105 3.00 Units

#### CALCULATIONS AND MEASUREMENT FOR WOODWORKING STUDENTS I

This course covers the basic math skills needed to perform in the construction field. Emphasis is placed on the basic operations and how they are applied to carpentry. Measurement calculations will be performed in both standard and metric measurements.

8103 10:40am - 12:10pm TTh SQ/ B136

### CARPENTRY 111A 3.00 Units

#### CONSTRUCTION I (CSU)

This course covers use and operation of hand tools, machine tools, and portable electric tools commonly used in the construction trades. Fundamentals of residential foundation and wall construction, use of rough and finish hardware, glues and adhesives, federal, state, and local building codes and ordinances are studied.

4700 6:00pm - 9:10pm T SQ/ B102

### CARPENTRY 111B 2.00 Units

#### CONSTRUCTION I

This is the second laboratory course in the Carpentry 111 sequence. This covers use and operation of hand tools, machine tools, and portable electric tools commonly used in the construction trades. Fundamentals of residential foundation and wall construction will be the focus of this course.

4701 lab 6:00pm - 9:10pm MW SQ/ B102

### CARPENTRY 114 4.00 Units

#### HAND AND POWER TOOL APPLICATION

This course focuses on the safe use of hand and power tools used in the carpentry and construction industry. Operation and safety instruction will be given on both portable and stationary power tools including skill saws, table saws, jointers, planers, band saws, etc. Students will use hand and power tools to complete woodworking and carpentry projects.

8104 7:00am - 7:20am MWF SQ/ B105  
& lab 7:20am - 10:30am MWF SQ/ B105

### CARPENTRY 115 3.00 Units

#### BASIC BLUEPRINT READING AND CORE CONSTRUCTION SKILLS

Students will be familiarized with the basic terms for construction drawings, components, and symbols. emphasis is placed on the different types of drawings and how to interpret and use the dimensions.

8105 7:00am - 7:30am TTh SQ/ B136  
&lab 7:30am - 10:40am TTh SQ/ B136

### CARPENTRY 117 2.00 Units

#### CONSTRUCTION MATERIALS

Corequisite: Carpentry 114;

This course focuses on building materials such as concrete, steel and a variety of woods used for exterior and interior carpentry finish; insulation, flashing, roof covering, interior and exterior wall covering, wood trim and other finish materials in residential construction; rough and finish hardware such as nails, screws, bolts, timber fasteners, gang nailing, power fastening, powder actuated fasteners, joist hangers, clips, etc.; methods of installation

8106 10:40am - 11:10am MWF SQ/ B105  
&lab 11:10am - 12:10pm MWF SQ/ B105

### CARPENTRY 123 6.00 Units

#### BASIC HOUSE CONSTRUCTION

Prerequisite: Carpentry 114

This course covers the basic framing operations involved in residential construction. students will complete the framing process using large scale models. Basic construction tool operations, and processes will be emphasized and tested.

8114 7:00am - 7:50am MWF SQ/ B105  
&lab 7:50am - 10:00am MWF SQ/ B120

### CARPENTRY 124 3.00 Units

#### BLUEPRINT READING AND ESTIMATING I

Prerequisite: Carpentry 115

Students will learn blueprint reading through the process of estimation. Material take offs, detail methods, labor calculations, profit, overhead and bid procedures will be examined.

8115 7:00am - 7:30am TTh W.G. HANLEY SQ/ B105  
&lab 7:30am - 10:40am TTh W.G. HANLEY SQ/ B104

### CARPENTRY 130 3.00 Units

#### CALCULATIONS AND MEASUREMENT FOR WOODWORKING STUDENTS II

Students complete common woodworking and construction calculations with an emphasis on percentage, area and volume calculations, algebra, geometry and trigonometry as they apply to the carpentry and woodworking trades. Students calculate concrete volume, lumber requirements and material quantities, as well as perform length and size calculations.

8110 10:50am - 12:20pm TTh J.R. OLSZEWSKI SQ/ B102

### CARPENTRY 132 3.00 Units

#### APPLIED BLUEPRINT READING

This course focuses on construction documents used in the construction of residential and light commercial projects. Emphasis is placed on the interpretation of drawings, standards, specifications, and symbols used in construction. Gathering information for material requirements and estimates will be major component of the course.

8118 8:30am - 9:05am MW SQ/ B136  
&lab 9:05am - 12:15pm MW SQ/ B136

### CARPENTRY 133 3.00 Units

#### ADVANCED RESIDENTIAL ESTIMATING

Students complete a comprehensive residential estimation project including materials, labor, overheads costs and expenses. Students perform materials take off using detailed and unit methods. Students estimate concrete and rebar requirements, lumber needs for floor, wall and roof construction as well as interior and exterior finishing materials. Labor costs are also calculated for common construction jobs. At the end of the course students will complete a comprehensive estimate for a residential construction project.

8119 7:00am - 8:25am MW SQ/ B136

### CARPENTRY 134 4.00 Units

#### ADVANCED RESIDENTIAL CONSTRUCTION

This course is a continuation of Basic Construction, Students will complete framing operations involving floor, wall, ceiling and roof construction. In addition, this course goes into greater depth in the areas of rough in for the preparation of electrical, plumbing, heating and ventilation.

8120 7:00am - 8:25am TTh SQ/ B102  
&lab 8:25am - 10:50am TTh SQ/ B102

### CARPENTRY 135 2.00 Units

#### CONCRETE CONSTRUCTION

Students explore and experience concrete concepts and forming. Emphasis will be placed on slab on grade forms and construction and stem forming. Students will use leveling instruments to square, level and layout buildings and forms.

8121 7:00am - 8:05am F SQ/ B136  
&lab 8:05am - 11:15am F SQ/ B136

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## CARPENTRY 144 4.00 Units RESIDENTIAL EXTERIOR FINISH

In this course, students will learn the tools, techniques, and principles of residential exterior finish. Students will install exterior finish materials such as siding, stucco and shingles. An emphasis will be placed on installation of roofing materials such as asphalt shingles.

8131 7:00am - 8:05am M SQ/ B133  
&lab 8:15am - 11:45am MWF SQ/ B133

## CARPENTRY 145 5.00 Units RESIDENTIAL INTERIOR FINISH

The course will focus on the materials, practices, and principles of interior finish work for residential construction. Emphasis will be placed on drywall installation and finishing, installation of interior door, installation of door hardware. Students will also install door and window casing, baseboard, and crown molding. Stair layout and construction will also be reviewed.

8132 7:00am - 8:05am TTh SQ/ B133

## CARPENTRY 148 3.00 Units COMPUTER ASSISTED ESTIMATING I

Students receive instruction in using specialized software to generate 2D and 3D plans for residential construction. Emphasis will be placed on using the developed plans to generate estimation information including material and cut lists.

4781 6:00pm - 6:50pm MF RH/ C107  
&lab 6:50pm - 9:20pm MF RH/ C107

## CARPENTRY 170 3.00 Units INTRODUCTION TO CNC WOODWORKING MACHINING AND PROGRAMMING

This course presents an introduction to the use of a CNC router. Topics include safety, feed speeds, spindle speeds, tooling, setups and programming to include related attachments and accessories for the machine.

8010 12:30pm - 1:15pm TTh SQ/ B120  
&lab 1:15pm - 3:35pm TTh SQ/ B120

## CHEMICAL TECHNOLOGY

Chair: Miguel Moreno, Cedar Hall - CH/K-405, (213) 763-7322

## CHEMICAL TECHNOLOGY 121 5.00 Units APPLIED CHEMISTRY II (CSU)

This course covers the principles as applied to aqueous solutions, energy and chemical reactions, modern atomic theory, chemical bonding, gases, chemical equilibrium, acids and bases, nuclear chemistry, and introduction to organic chemistry. Laboratory studies include qualitative and quantitative analysis of common anions and cations and introduction to instrumental analysis.

1622 7:00am - 8:05am M CH/ K464  
& 10:20am - 11:25am M CH/ K464  
& 7:00am - 8:05am T CH/ K464  
&lab 8:00am - 11:10am T CH/ K464  
&lab 8:00am - 11:10am F CH/ K464

## CHEMICAL TECHNOLOGY 123 2.00 Units APPLIED CHEMISTRY MATHEMATICS II

This course covers further applications of mathematical techniques in chemical technology including techniques used in chemistry, physics and technical mathematics. The emphasis includes further topics in units, concentration, graphs, equilibrium, thermodynamics, and oxidation-reduction and industry related methods.

1623 10:20am - 12:25pm W CH/ K424

## CHEMICAL TECHNOLOGY 131 3.00 Units INDUSTRIAL PROCESSES

Instruction is given in the fundamental theories of chemical and physical processes used in various manufacturing industries. Also, instruction is given in operation of equipment including the introduction of concepts of quality control validation as it relates to manufacturing in regulated industries.

1624 7:00am - 8:05am W CH/ K466  
&lab 8:05am - 10:10am W CH/ K466  
&lab 7:00am - 11:15am Th CH/ K466

## CHEMICAL TECHNOLOGY 141 1.00 Unit BASIC EMPLOYMENT INFORMATION

Instruction covers safety precautions, professional ethics, health habits, responsibilities to the customer and management, personal appearance, employment trends and professional organizations. The course also includes writing resources and cover letters, and job search techniques.

1625 7:00am - 7:30am MT CH/ K466

## CHEMICAL TECHNOLOGY 142 5.00 Units QUANTITATIVE AND INSTRUMENTAL ANALYSIS II

This course is a continuation of Quantitative and Instrumental Analysis I. It is an advanced course covering the theory and application of modern instrumentation and techniques for the analysis of chemical systems such as fuels, waste water, food and beverages, pharmaceuticals, metal etc. It also includes interpretative spectroscopy and computer-assigned experimentation.

1626 7:00am - 8:25am MT CH/ K466  
&lab 8:25am - 11:35am MT CH/ K466

## CHEMICAL TECHNOLOGY 143 4.00 Units ORGANIC CHEMISTRY II (CSU)

This course addresses IUPAC nomenclature, physical and chemical properties, occurrences, synthesis, reactions and industrial applications of aldehydes and ketones, alcohols, ethers including cyclic and crown ethers, aromatic compounds, esters, amino acids, peptides, proteins, carbohydrates synthetic and natural polymers, polarimetry, IR,UV/VIS, NMR spectroscopy, and mass spectrometry.

1628 9:35am - 11:40am W CH/ K466  
&lab 7:00am - 1:30pm F CH/ K466

## CHEMICAL TECHNOLOGY 161 1.00 Unit SPECIAL PROJECTS I

This course addresses the principles and instrumentation of gas chromatography (GC)with particular reference to Shimadzu GC-8A gas chromatograph.

1630 lab 12:45pm - 3:50pm M CH/ K422

## CHEMISTRY

Chair: Miguel Moreno, Cedar Hall - CH/K-405, (213) 763-7322

## CHEMISTRY 051 5.00 Units FUNDAMENTALS OF CHEMISTRY I (UC:CSU)

Prerequisite: Mathematics 114 or Mathematics 115;

This course with laboratory emphasizes the principles of inorganic chemistry and introduces elementary organic chemistry. It is planned primarily for health science majors, as a preparatory course for higher-level chemistry courses, and for non-science majors requiring a one-semester course with laboratory. High school students may obtain both: high school and college credit for this course. UC/CSU systems limit Chem 51/ Chem 65 credit to one course.

1670 8:35am - 11:45am M CH/ K464  
&lab 8:45am - 11:55am W AH/T E212  
& lab 12:00pm - 1:05pm W AH/T E212

1671 lab 7:30am - 10:40am T AH/T E120  
& 7:30am - 8:35am Th AH/T E120  
& lab 8:45am - 9:50am Th CH/ K464  
& lab 10:00am - 12:05pm Th CH/ K464

1672 lab 8:00am - 11:10am SAT CH/ K464  
& 12:00pm - 4:15pm SAT CH/ K322

1673 10:10am - 2:25pm F MH 308  
& lab 3:00pm - 6:10pm F CH/ K464

4070 4:15pm - 6:20pm MW AH/T E212  
& lab 6:30pm - 9:40pm W CH/ K464

4071 4:15pm - 6:20pm MW AH/T E212  
& lab 6:30pm - 9:40pm M CH/ K464

4073 4:15pm - 6:20pm TTh CH/ K322  
& lab 6:30pm - 9:40pm T CH/ K464

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## CHEMISTRY 070 4.00 Units INTRODUCTORY ORGANIC AND BIOCHEMISTRY (UC:CSU)

Prerequisite: Chemistry 51 or Chemistry 65 or Chemistry 101.

This course studies the structure, physical properties and nomenclature of organic compounds and biomolecules. Simple chemical reactions are introduced. Students use physical and chemical properties of compounds to characterize them in the laboratory. It is strongly recommended to take this course before taking chemistry 211.

This course provides credit towards the Associate of Sciences degree in Chemistry

1675	11:00am - 2:10pm	SAT	CH/ K406
& lab	2:30pm - 5:40pm	SAT	CH/ K464

## CHEMISTRY 101 5.00 Units GENERAL CHEMISTRY I (UC:CSU)

Prerequisite: Mathematics 125;

This course presents the principles of chemistry, including modern atomic structure, chemical bonding, stoichiometry, gases, solids, liquids, descriptive inorganic chemistry, and introduces equilibrium and electrochemistry. The laboratory emphasizes the quantitative aspects of chemistry and instrumentation. This course is part of the transfer sequence for careers in the physical, biological, and health sciences and a requirement for the Associate of Sciences degree in Chemistry

1680	10:10am - 11:35am	TTh	AH/T E212
& lab	11:40am - 2:50pm	TTh	CH/ K466

1681	9:10am - 10:35am	MW	AH/T E120
& lab	11:45am - 2:55pm	MW	CH/ K464

1682	10:10am - 11:35am	TTh	CH/ K322
& lab	11:40am - 2:50pm	TTh	CH/ K464

1683	10:10am - 11:35am	MW	AH/T E415
& lab	11:40am - 2:50pm	MW	CH/ K466

1684	8:00am - 11:10am	SAT	CH/ K322
& lab	11:50am - 6:20pm	SAT	CH/ K466

4076	4:30pm - 5:55pm	TTh	CH/ K258
& lab	6:10pm - 9:20pm	TTh	CH/ K466

4077	4:30pm - 5:55pm	MW	AH/T E212
& lab	6:10pm - 9:25pm	MW	CH/ K466

## CHEMISTRY 102 5.00 Units GENERAL CHEMISTRY II (UC:CSU)

Prerequisite: Chemistry 101;

This course is a continuation of General Chemistry I. It includes detailed study of chemical equilibrium, kinetics, electrochemistry, nuclear and coordination chemistries. Quantitative and qualitative analysis and inorganic preparations are part of the laboratory. This course is part of the transfer sequence for careers in the physical, biological, and health sciences and a requirement for the Associate of Sciences Degree in Chemistry

1685	1:10pm - 2:35pm	MW	CH/ K258
& lab	3:00pm - 6:10pm	MW	CH/ K466

1686	1:10pm - 2:35pm	TTh	CH/ K406
& lab	3:00pm - 6:10pm	TTh	CH/ K466

## CHEMISTRY 211 5.00 Units ORGANIC CHEMISTRY FOR SCIENCE MAJORS I (UC:CSU)

Prerequisite: Chemistry 102.

Structure, dynamics, equilibrium and nomenclature of organic compounds including conformational analysis, potential energy plots, hybridization, reaction mechanisms and molecular modeling. Students employ modern synthetic and chromatographic techniques. Guest speakers enhance the topics covered in class. This course is part of the transfer sequence for careers in the physical, biological, and health sciences and a requirement for the Associate of Sciences degree in Chemistry.

1652	12:30pm - 2:00pm	TTh	AH/T E120
& lab	3:00pm - 6:10pm	TTh	CH/ K464

## CHEMISTRY 212 5.00 Units ORGANIC CHEMISTRY FOR SCIENCE MAJORS II (UC:CSU)

Prerequisite: Chemistry 211;

Continuing studies of organic molecules started in chemistry 211 with emphasis on carbonyl containing compounds, macromolecules and naturally occurring nitrogen and oxygen-containing compounds. Non-covalent interactions and catalyst. A mechanistic approach to reactions and a focus on multi-step synthesis is emphasized throughout the course. This course is part of the transfer sequence for careers in the physical, biological, and health sciences and a requirement for the Associate of Sciences degree in Chemistry.

1687	1:10pm - 2:35pm	MW	CH/ K420
& lab	3:05pm - 6:15pm	MW	CH/ K466

## CHILD DEVELOPMENT

Chair: Freddie McClain, Aspen Hall - AH/TE-516, (213) 763-3936

### CHILD DEVELOPMENT 001 3.00 Units CHILD GROWTH AND DEVELOPMENT (UC:CSU)

Advisory: English 28.

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

1200	8:35am - 10:00am	MW	CH/ K262
1201	10:10am - 11:35am	MW	CH/ K222
1202	10:10am - 11:35am	TTh	CH/ K262
1203	11:45am - 1:10pm	MW	AH/T E401
1204	8:35am - 10:00am	TTh	CH/ K262
1205	11:45am - 1:10pm	TTh	AH/T E401
1206	9:00am - 12:10pm	SAT	AH/T E213
3721	6:00pm - 9:10pm	Th	AH/T E315
7931	3:15 hrs/wk	TBA	ON LINE

Please visit the online program homepage at <http://moodle.lattc.edu> prior to the start of class for directions.

### CHILD DEVELOPMENT 002 3.00 Units EARLY CHILDHOOD: PRINCIPLES AND PRACTICES (CSU)

TB clearance required. Prerequisite: Child Development 1.

An examination of the underlying theoretical principles of developmentally appropriate practices applied to programs, environments, emphasizing the key role of relationships, constructive adult-child interactions, and teaching strategies in supporting physical, social, creative and intellectual development for all 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.

1207	8:35am - 10:00am	TTh	AH/T E401
1208	8:35am - 10:00am	MW	CH/ K222
1209	10:10am - 11:35am	TTh	CH/ K222
3723	6:00pm - 9:10pm	Th	AH/T E410

### CHILD DEVELOPMENT 007 3.00 Units INTRODUCTION TO CURRICULUM IN EARLY CHILDHOOD EDUCATION (CSU)

Prerequisites: Child Development 1; Child Development 2.

This course presents an overview of knowledge and skills related to providing appropriate curriculum and environments for young children from birth to age 6. Students will examine a teacher's role in supporting development and engagement for all young children. This course provides strategies for developmentally-appropriate practice based on observation and assessments across the curriculum, including 1) academic content areas, 2) play, art, and creativity, and 3) development of social-emotional, communication, and cognitive skills.

3725	6:00pm - 9:10pm	W	AH/T E401
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## CHILD DEVELOPMENT 008 CURRICULUM IN EARLY CHILDHOOD EDUCATION (CSU) 3.00 Units

Prerequisite: Child Development 1; Child Development 2 and Child Development 7. Students design and evaluate developmentally appropriate curriculum and environments for young children from birth to age 8. Based on the value of play, students demonstrate the teacher's role in applying theory to practice in supporting children's concept development. Preparing and assessing the implementation of curriculum will include but not be limited to: language and literacy, social studies, art and creativity, music and rhythm, perceptual motor development, mathematics, natural and physical sciences.

1214 11:45am - 2:55pm W CH/ K262  
3726 6:00pm - 9:10pm Th AH/T E310

## CHILD DEVELOPMENT 010 HEALTH, SAFETY AND NUTRITION (CSU) 3.00 Units

Advisory: English 21. Students are required to participate in and pass the American Red Cross Infant/Child CPR and First Aid Course. This course introduces 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 will be identified along with the importance of collaboration with families and health professionals. This course also focuses on integrating the concepts into everyday planning and program development for all children. Students are required to participate in and pass the American Red Cross Infant/Child CPR and First Aid course.

1215 11:45am - 1:10pm MW OH/ F223  
1216 8:35am - 10:00am TTh CH/ K222  
3727 6:00pm - 9:10pm T AH/T E315

## CHILD DEVELOPMENT 011 CHILD, FAMILY AND COMMUNITY (CSU) 3.00 Units

Advisory: English 21. An examination of the developing child in a societal context focusing on the interrelationship of family, school and community and emphasizes historical and socio-cultural factors. The processes of socialization and identity development will be highlighted, showing the importance of respectful, reciprocal relationships that support and empower families.

1218 8:35am - 10:00am MW AH/T E401  
1219 10:10am - 11:35am MW OH/ F223  
1220 11:45am - 1:10pm TTh CH/ K222  
3728 6:00pm - 9:10pm W AH/T E315  
9562 9:00am - 12:20pm SAT AH/T E315

## CHILD DEVELOPMENT 022 PRACTICUM IN CHILD DEVELOPMENT I (CSU) 4.00 Units

Prerequisite: Child Development 1; and Child Development 2 and Child Development 3 and Child Development 7; Child Development 11. Students are required to complete 90 hours at an approved field site. Must be available between 8:00 a.m. and noon.

In this course the student will practice and demonstrate developmentally appropriate early childhood program planning and teaching competencies under the supervision of ECE/CD faculty and other qualified early education professionals. Students will utilize practical classroom experiences to make connections between theory and practice, develop professional behaviors, and build a comprehensive understanding of children and families. Child centered, play-oriented approaches to teaching, learning, and assessment; and knowledge of curriculum content areas will be emphasized as student teachers design, implement and evaluate experiences that promote positive development and learning for all young children.

1221 1:30pm - 3:35pm W AH/T E401  
& lab 5:45 hrs/wk TBA AH/T E401  
3741 6:00pm - 8:05pm W AH/T E312  
& lab 6:45 hrs/wk TBA AH/T E312

## CHILD DEVELOPMENT 023 PRACTICUM IN CHILD DEVELOPMENT II (CSU) 4.00 Units

Prerequisite: Child Development 22. Students are required to complete 90 hours at an approved field site. Must be available between 8:00 a.m. and noon. This course provides an advanced practicum experience. Students apply assessment strategies to plan, implement, and evaluate developmentally appropriate activities. Techniques that promote partnerships between teachers and families are developed. Educational philosophy statement, a resume and a professional portfolio are created.

State law requires a TB test (Mantoux Test) or chest x-ray. In addition to the seminar class, students are required to complete a minimum of 90 hours at an APPROVED field site.

3742 6:00pm - 8:05pm W CH/ K222  
& lab 6:45 hrs/wk TBA CH/ K222

## CHILD DEVELOPMENT 031 INFANT AND TODDLER STUDIES II (CSU) 3.00 Units

Prerequisite: Child Development 1 and Child Development 30. This course implements the principles of inclusive, respectful care-giving for infants and toddlers within a variety of program designs, routines and schedules. Topics cover typical and atypical development, principles of early intervention, design, implementation and assessment of developmentally appropriate curriculum and environment; health, safety and licensing issues. Coursework includes documentation of learning through observation, guidance towards self-regulation, family communications and community resources. Current research within the context of home language, culture and traditions will be addressed.

1223 11:45am - 1:10pm TTh CH/ K262

## CHILD DEVELOPMENT 034 OBSERVING AND RECORDING CHILDREN'S BEHAVIOR (CSU) 3.00 Units

Prerequisite: Child Development 1. This course focuses on the appropriate use of a variety of assessment and observation strategies to document child development, growth, behaviors, play and learning, and to join with families and professionals in promoting children's success. Recording strategies, rating systems, portfolios, and multiple assessment tools are explored. Child observations will be conducted and analyzed.

1226 10:10am - 11:35am MW AH/T E401  
3745 6:00pm - 9:10pm Th AH/T E312

## CHILD DEVELOPMENT 039 ADMINISTRATION & SUPERVISION OF EARLY CHILDHOOD PROGRAMS II (CSU) 3.00 Units

Prerequisite: Child Development 38. This course provides training for administrators of Early Childhood Programs on a variety of topics pertaining to administration of early childhood programs. Topics include: state and federal regulations, computer applications for administration, grant and proposal development, advocacy, leadership skills and team management techniques, developing a comprehensive parent partnership, working with Desired Results, and legal issues. This course partially fulfills the licensing requirement for the director.

3746 6:00pm - 9:10pm W AH/T E221

## CHILD DEVELOPMENT 042 TEACHING IN A DIVERSE SOCIETY (CSU) 3.00 Units

Corequisite: Child Development 11. 1227 10:10am - 11:35am TTh AH/T E401  
1228 11:45am - 1:10pm MW CH/ K222  
3747 6:00pm - 9:10pm T AH/T E312

## CHILD DEVELOPMENT 044 EARLY INTERVENTION FOR CHILDREN WITH SPECIAL NEEDS (CSU) 3.00 Units

Prerequisite: Child Development 1. This course is designed for students interested in specializing in or working with young children with special needs and their families. Instruction focuses on accommodating and adapting the physical environment, instructional strategies and curriculum to meet the needs of differently able children from birth through preschool.

1231 10:10am - 11:35am MW CH/ K262  
3748 6:00pm - 9:10pm Th AH/T E401

## CHILD DEVELOPMENT 046 SCHOOL AGE PROGRAMS I (CSU) 3.00 Units

Prerequisite: Child Development 1. The students will be introduced to the care of school age children. This course is designed for those currently working, or planning to work in before and after school child care. Students will develop age-appropriate curriculum, learn how to support the family and make use of community resources.

1250 9:00am - 12:10pm SAT AH/T E410

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## CHILD DEVELOPMENT 065 2.00 Units ADULT SUPERVISION/EARLY CHILDHOOD MENTORING (CSU)

Corequisite: Child Development 23 or Child Development 39.

The class focuses on the principles and practices of supervision and evaluation of in Early Childhood Programs. Emphasis is placed on the role of experienced teachers who mentor or supervise new teachers and student teachers. This meets supervision requirement for the Child Development Permit.

3750 6:00pm - 9:15pm M AH/T E312  
(10 Week Class - Starts 3/2/2015, Ends 5/18/2015)

## CHILD DEVELOPMENT 941 4.00 Units COOPERATIVE EDUCATION - CHILD DEVELOPMENT (CSU)

Cooperative Education is a work experience program involving the employer, the student-employee and the college to insure that the student receives on the job training and the unit credit for work experience or volunteer work/internship.

Completion of at least seven units, including Cooperative Education, at the end of the semester is required. Students must be employed or volunteering/interning in order to participate in program.

9048 4:25 hrs/wk TBA CY/ D236

See Co-op Education page in the back of the schedule for meeting days and times.

## COMMUNICATION STUDIES

Chair: John Glavan, Aspen Hall - AH/TE-520, (213) 763-3931

### COMMUNICATION STUDIES 101 3.00 Units PUBLIC SPEAKING (UC:CSU)

This introductory speech course emphasizes techniques of public speaking including writing and delivery of speeches to inform and persuade. Students refine critical thinking, research, organizational, and time management skills. They learn to adapt a message to any audience and occasion

1461	7:00am - 8:25am	TTh	AH/T E206
1462	8:35am - 10:00am	MW	AH/T E206
1463	10:10am - 11:35am	TTh	AH/T E206
1464	8:35am - 10:00am	MW	AH/T E201
1465	10:10am - 11:35am	MW	AH/T E206
1466	11:45am - 1:10pm	MW	AH/T E201
1467	8:35am - 10:00am	TTh	AH/T E206
1468	10:10am - 11:35am	TTh	AH/T E201
1469	8:35am - 10:00am	TTh	AH/T E201
1470	9:00am - 12:10pm	SAT	AH/T E201
1471	11:45am - 1:10pm	TTh	AH/T E206
1472	10:10am - 11:35am	MW	AH/T E201
1473	11:45am - 1:10pm	MW	AH/T E206
3864	1:30pm - 2:55pm	MW	AH/T E206
3865	4:35pm - 7:45pm	F	AH/T E201
3866	6:00pm - 9:10pm	M	AH/T E201
3867	6:00pm - 9:10pm	W	AH/T E201
3868	6:00pm - 9:10pm	Th	AH/T E201
3869	6:00pm - 9:10pm	T	AH/T E201

## COMMUNITY PLANNING ECONOMIC DEVELOPMENT

Chair: John McDowell, Mariposa Hall - MA-005, (213) 763-7129

### COMMUNITY PLANNING ECONOMIC DEVELOPMENT 002 3.00 Units INTRODUCTION TO COMMUNITY ORGANIZING (CSU)

This course focuses on community organizing efforts by people working together to improve their neighborhoods and cities. The course prepares students to become professional organizers, community developers, and effective citizen leaders. The course explores the history, theory, and different approaches to grassroots community organizing. Students will analyze the current context for organizing, the impact of social change theories, organizing strategies, tools and new methodologies used in community organizing.

3272 6:00pm - 9:10pm Th AH/T E401

### COMMUNITY PLANNING ECONOMIC DEVELOPMENT 003 3.00 Units AFFORDABLE HOUSING DEVELOPMENT (CSU)

This is a required course for the community planning degree and certificate, as well as the urban real estate development certificate. Students formulate real estate

development skills needed to develop multi-family affordable housing projects.

Through project-based learning and case studies, students acquire basic competencies in: stages of the affordable housing development process, project feasibility analyses, including neighborhood, site and financial analyses; sources and uses of financing; project management, marketing and operations.

3271 6:00pm - 9:10pm W CH/ K210

### COMMUNITY PLANNING ECONOMIC DEVELOPMENT 007 3.00 Units CONTEMPORARY ISSUES AND STRATEGIES IN POPULAR EDUCATION AND ORGANIZING (CSU)

This course will explore current issues of land use, housing, workers' rights, environmental justice and the fight for jobs in Los Angeles by utilizing field research and direct interaction with local non-profit organizations working to make change in these sectors.

3270 6:00pm - 9:10pm M AH/T E213

## COMPUTER APPLICATIONS OFFICE TECHNOLOGIES

Chair: Christina Anketell, Mariposa Hall, MA-109e, (213) 763-3741

### COMPUTER APPLICATIONS OFFICE TECHNOLOGIES 007 3.00 Units MACHINE TRANSCRIPTION

Voice transcription keyboarding.

0401	8:00am - 9:05am	MW	CH/ K320
&lab	9:05am - 10:05am	MW	CH/ K320

### COMPUTER APPLICATIONS OFFICE TECHNOLOGIES 030 3.00 Units OFFICE PROCEDURES (CSU)

The student is instructed in the development of attitudes and personality traits essential to successful office work. Training is received in office organization, duties of office workers, office problems and their solutions, receptionist and telephone techniques, processing written communication, administrative responsibility, and professional growth.

0402	8:00am - 9:00am	MW	CH/ K210
&lab	9:00am - 10:05am	MW	CH/ K210

### COMPUTER APPLICATIONS OFFICE TECHNOLOGIES 031 3.00 Units BUSINESS ENGLISH (CSU)

This course offers thorough training in the mechanics of English: spelling, grammar, punctuation, sentence structure, and word usage. It develops business vocabulary as well as the English skills necessary for business situations.

0403 8:35am - 10:00am TTh CH/ K210

### COMPUTER APPLICATIONS OFFICE TECHNOLOGIES 034 2.00 Units BUSINESS TERMINOLOGY (CSU)

Advisory: English 68.

The course is designed to develop spelling ability and vocabulary enrichment with application for business use. It develops an understanding of common business and technology terms, as well as emphasizing vocabulary development and expansion.

0404 10:15am - 12:20pm M CH/ K258

### COMPUTER APPLICATIONS OFFICE TECHNOLOGIES 046 3.00 Units MEDICAL TRANSCRIPTION

Transcription of medical communications.

0405	8:00am - 9:05am	TTh	CH/ K320
&lab	9:05am - 10:05am	TTh	CH/ K320

### COMPUTER APPLICATIONS OFFICE TECHNOLOGIES 082 3.00 Units MICROCOMPUTER SOFTWARE SURVEY IN THE OFFICE (CSU)

This course is an introduction to office information systems and computer literacy by incorporating group discussions, research, and hands-on-experience in a variety of Windows applications. The software used in this course includes word processing, spreadsheets, databases, communications, graphics and operating systems, scheduling, and the Internet.

0406	8:00am - 9:05am	F	CH/ K208
&lab	9:15am - 1:25pm	F	CH/ K208
0407	1:30pm - 2:30pm	MW	CH/ K208
&lab	2:30pm - 4:00pm	MW	CH/ K208

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## COMPUTER APPLICATIONS OFFICE TECHNOLOGIES 084 3.00 Units MICROCOMPUTER OFFICE APPLICATIONS: WORD PROCESSING (CSU)

Advisory: CAOT 1.

This course provides instructions on Microsoft Word applications using basic and advanced commands to create, format, edit, save, and print documents including letters, tables, reports, and merge documents. The application also utilizes publishing features that includes creating newsletters, brochures, fliers, and resumes on the web and through cloud computing.

0408 10:15am - 11:20am TTh CH/ K320  
&lab 11:20am - 12:45pm TTh CH/ K320

## COMPUTER APPLICATIONS OFFICE TECHNOLOGIES 085 3.00 Units MICROCOMPUTER OFFICE APPLICATIONS: SPREADSHEET (CSU)

This course prepares students to apply practical business analysis concepts and techniques using the Microsoft Excel spreadsheet. Students learn to create professional and powerful worksheets with emphasis of What-if-analysis and business functions; complex problem-solving; auditing, scenario manager; data validation; importing external data; Web queries; creating templates; consolidating workbooks and/or worksheets; goal seeking; and integration features. The business applications include those used by office employees, accountants, management, and marketing personnel.

0409 10:15am - 10:45am MW CH/ K320  
&lab 10:55am - 1:00pm MW CH/ K320

1285 6:00pm - 7:35pm MW CH/ K320  
&lab 7:35pm - 8:50pm MW CH/ K320

## COMPUTER APPLICATIONS OFFICE TECHNOLOGIES 086 3.00 Units MICROCOMPUTER OFFICE APPLICATIONS: DATABASE (CSU)

This course provides instructions on office database applications using a relational database program, such as, Microsoft Access. Covers records design, file creation and maintenance, and data manipulation and presentation. Emphasizes office applications such as records for personnel, inventory, and sales. Integrates a word processing program to produce automated mailings.

1286 6:00pm - 6:35pm TTh CH/ K320  
&lab 6:45pm - 8:50pm TTh CH/ K320

## COMPUTER APPLICATIONS OFFICE TECHNOLOGIES 098 3.00 Units MICROCOMPUTER OFFICE APPLICATIONS: INTRO TO WINDOWS

This course is designed to prepare students to operate a computer in the Windows environment. This course covers elements of Windows including: Windows operation, disk and file management, modification and customization of the Windows environment, and application of Windows accessories. This class requires both on campus and online work.

0410 10:15am - 11:20am TTh CH/ K258  
&lab 11:20am - 12:45pm TTh CH/ K208

## COMPUTER APPLICATIONS OFFICE TECHNOLOGIES 101 1.00 Unit HANDS-ON INTERNET

This course provides hands-on introduction to the World Wide Web and its components with emphasis on using traditional Internet services, downloading programs, sharing files, using e-mail, extending browser capabilities and increasing Web security.

0411 1:30pm - 2:10pm W CH/ K320  
&lab 2:15pm - 3:50pm W CH/ K320

(14 Week Class - Starts 2/28/2015, Ends 6/7/2015)

## COMPUTER INFORMATION SYSTEMS

Chair: Eric Chavez, Cedar Hall - CH/K-325, (213) 763-3782

## COMPUTER INFORMATION SYSTEMS 035 3.00 Units MULTIMEDIA PRESENTATIONS FOR THE INTERNET I (CSU)

This course examines the power of using the Internet as a presentation tool and includes Internet History, simple document conversion for the World Wide Web, use of FrontPage, PowerPoint and Producer. Student will prepare presentations for the Internet by assembling ready-made digital audio, video, and images.

0540 8:00am - 9:25am F CH/ K307  
&lab 9:35am - 12:40pm F CH/ K307

## COMPUTER INFORMATION SYSTEMS 700 3.00 Units COMPUTER CONCEPTS (CSU)

Advisory: Mathematics 105 and English 21;

This course provides an overview of computer concepts. It emphasizes the physical components of a computer system, an introduction to operating systems with emphasis on Windows and DOS, and an introduction to programming concepts. It is intended for students who want to understand the basic concepts of both computer hardware and software.

0541 12:00pm - 1:05pm TTh CH/ K305  
&lab 1:05pm - 2:05pm TTh CH/ K305

## COMPUTER INFORMATION SYSTEMS 701 3.00 Units INTRODUCTION TO COMPUTERS AND THEIR USES (UC:CSU)

Advisory: English 21; Mathematics 105;

The students will be introduced to computer applications using Microsoft Office--Word, Excel, Access are covered. Also, the students will learn to integrate different applications, and understand the fundamentals of the Windows operating system.

0542 7:00am - 8:05am MW CH/ K307  
&lab 8:05am - 9:05am MW CH/ K307

0543 7:00am - 8:05am TTh CH/ K307  
&lab 8:05am - 9:05am TTh CH/ K307

3311 6:00pm - 8:05pm M CH/ K307  
&lab 6:00pm - 8:05pm W CH/ K307

## COMPUTER INFORMATION SYSTEMS 733 3.00 Units MICROCOMPUTER DATABASE PROGRAMMING (CSU)

Computer Information Systems 700 or Computer Information Systems 701;

A complete presentation of database management using Access, including database design, queries, macros, toolbars, VBA and SQL. Also includes advanced work in Excel, use of the Internet in these products.

0544 12:00pm - 1:05pm TTh CH/ K307  
&lab 1:05pm - 2:05pm TTh CH/ K307

## COMPUTER INFORMATION SYSTEMS 739 3.00 Units PROGRAMMING IN C++ (UC:CSU)

Advisory: Computer Information Systems 701;

This class provides an introduction to the use of the C++ programming system. It emphasizes the syntax and grammar of its coding language. The method of instruction is the use of the system to implement computer application projects using the traditional programming structures of sequence, selection, and loops, use of functions, arrays and strings and how different data types work.

0545 12:00pm - 1:05pm MW CH/ K307  
&lab 1:05pm - 2:05pm MW CH/ K307

## COMPUTER INFORMATION SYSTEMS 750 3.00 Units DREAMWEAVER CONCEPTS AND TECHNIQUES (CSU)

Advisory: Computer Information Systems 701 or Computer Information Systems 757;

The course covers concepts and techniques of the Dreamweaver system. It consists of projects that provide experience in the methods used to produce and modify documents for the World Wide Web.

0546 9:15am - 10:20am MW CH/ K307  
&lab 10:20am - 11:20am MW CH/ K307

## COMPUTER INFORMATION SYSTEMS 762 3.00 Units WEB SCRIPTING (CSU)

Prerequisite: Computer Information Systems 757; Advisory: Computer Information Systems 701

This class provides an introduction to the use of the Java Script programming system. It emphasizes the syntax and grammar of its coding language and it is embedded into the Web page structure. The method of instruction is projects which include the design and implementation of calculations and related actions into a Web page.

0547 9:15am - 10:20am TTh CH/ K307  
&lab 10:20am - 11:20am TTh CH/ K307

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## COMPUTER INFORMATION SYSTEMS 770 LOCAL AREA NETWORK ADMINISTRATION (CSU) 3.00 Units

This course will prepare students for a challenging career in Information Technology with a focus in Local Area Network Administration. Students will develop skills to administer and support data communication hardware such as, file servers, printers and other related peripheral input/output devices, and provide technical direction to lower level network technicians. Server-based network, setup file and print resources, network infrastructure, monitor and troubleshoot services running over the network.

0548	8:00am - 10:05am	M	CH/ K305
&lab	10:15am - 12:20pm	M	CH/ K305

## COMPUTER INFORMATION SYSTEMS 771 LOCAL AREA NETWORK TECHNICAL SUPPORT (CSU) 3.00 Units

Advisory: Computer Information Systems 701;  
This course will provide students with a comprehensive understanding of Local Area Network (LAN) topologies; and with the skills necessary to install, configure, customize, and troubleshoot Ethernet and Wireless computer networks. This course will prepare students for the newest 2010 CompTIA Network+ N10-004 examination.

0549	9:15am - 10:20am	TTh	CH/ K305
&lab	10:20am - 11:20am	TTh	CH/ K305

## COMPUTER INFORMATION SYSTEMS 787 NETWORK ESSENTIALS (CSU) 3.00 Units

Prerequisite: Computer Information Systems 701;  
The purpose of this course is to provide a baseline level of knowledge for success in industry and preparation for networking certifications. Students are exposed to new industry topics and get hands on experience networking the lab and configuring the network. Local area and Wide area networks are covered.

3312	6:00pm - 8:05pm	M	CH/ K305
&lab	6:00pm - 8:05pm	W	CH/ K305

## COMPUTER INFORMATION SYSTEMS 790 PROGRAMMING IN JAVA (UC:CSU) 3.00 Units

Advisory: Computer Information Systems 709 or Computer Information Systems 739;  
This course covers the fundamental operations of the Java programming system. It consists of projects that provide experience in the methods used to create Java applications and applet that will run in Internet web pages. Also to create GUI user interface screens.

3313	6:00pm - 8:05pm	T	CH/ K305
&lab	6:00pm - 8:05pm	Th	CH/ K305

## COOPERATIVE EDUCATION

Dean: Joseph Guerrieri, Juniper Hall - JH/St-511, (213) 763-3683

## COOPERATIVE EDUCATION 395 WORK EXPERIENCE - GENERAL I (CSU) 3.00 Units

General Cooperative Education is a work experience program involving the employer, the student-employee, and the college to insure that the student receives on the job training and unit credit for work experience. Work experience requires that the student be employed in a paid or unpaid position and need not be related to the students educational goals.

9001	5:05 hrs/wk	TBA	CY/ D236
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## COSMETOLOGY

Chair: Elton Robinson, MH-241E, (213) 763-7138

## COSMETOLOGY 037 SKIN THERAPY III (NDA) 6.00 Units

Prerequisite: Cosmetology 36;  
Students will be introduced to hand and foot treatments, body scrubs, wraps, reflexology and massage treatments. Aromatherapy treatments will be employed.

7032	12:30pm - 1:40pm	MTWThF	MH 138
&lab	1:40pm - 5:45pm	MTWThF	MH 253

(8 Week Class - Starts 2/9/2015, Ends 4/4/2015)

## COSMETOLOGY 038 SKIN THERAPY IV (NDA) 6.00 Units

Prerequisite: Cosmetology 37;  
Students will be introduced to clinic floor practicum, advanced facial and makeup applications, arching and waxing services and body treatments. Mock state board procedures for licensure will be employed.

7033	12:30pm - 1:40pm	MTWThF	MH 138
&lab	1:40pm - 5:45pm	MTWThF	MH 253

(9 Week Class - Starts 4/13/2015, Ends 6/7/2015)

## COSMETOLOGY 111 FRESHMAN COSMETOLOGY 6.00 Units

The course covers basic manipulative skills and proper application of shampooing, scalp treatments, finger waving, curl construction, hair design, haircutting, and manicuring. Basic lecture and theory include topics on bacteriology, trichology, decontamination.

4300	4:30pm - 9:30pm	MTWTh	MH 126
&lab	7:00am - 10:00am	SAT	MH 126
&lab	10:00am - 2:00pm	SAT	MH 237

(6 Week Class - Starts 2/9/2015, Ends 4/4/2015)

7000	7:00am - 8:30am	MTWTh	MH 233
&lab	8:30am - 2:10pm	MTWTh	MH 233

(8 Week Class - Starts 2/9/2015, Ends 4/4/2015)

7002	7:00am - 8:30am	MTWTh	MH 247
&lab	8:00am - 2:00pm	MTWTh	MH 247

(8 Week Class - Starts 2/9/2015, Ends 4/4/2015)

## COSMETOLOGY 112 JUNIOR SALON I 6.00 Units

Prerequisite: Cosmetology 111;  
The course covers basic applications of skin care and facial massage manipulations, permanent waving, haircutting techniques, and all phases of thermal texture hair designing. Theories related to all areas mentioned above are also discussed.

4301	4:30pm - 9:30pm	MTWTh	MH 126
&lab	7:00am - 10:00am	SAT	MH 126
&lab	10:00am - 2:00pm	SAT	MH 237

(9 Week Class - Starts 4/13/2015, Ends 6/7/2015)

7001	7:00am - 8:30am	MTWTh	MH 128
&lab	9:00am - 2:10pm	MTWTh	MH 237

(9 Week Class - Starts 4/13/2015, Ends 6/7/2015)

7003	7:00am - 8:30am	MTWTh	MH 247
&lab	8:30am - 2:00pm	MTWTh	MH 247

(9 Week Class - Starts 4/13/2015, Ends 6/7/2015)

## COSMETOLOGY 121 JUNIOR SALON II 6.00 Units

Prerequisite: Cosmetology 112;  
The students are exposed to intermediate instruction in permanent waving, chemical straightening, thermal straightening and curling, skin and hair care, with instruction on the use of facials, hair cutting and nail care. Theories that are related to all areas mentioned above will be discussed.

7004	7:00am - 8:30am	TH	MH 247
&lab	8:30am - 2:00pm	TH	MH 247
&	7:00am - 8:30am	T	MH 247
&lab	8:30am - 2:50pm	T	MH 247

(8 Week Class - Starts 2/9/2015, Ends 4/4/2015)



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## COSMETOLOGY 122 JUNIOR SALON III 6.00 Units

Prerequisite: Cosmetology 121;

The students are instructed in advanced permanent waving, soft permanent wave, chemical straightening, thermal straightening and curling, hair cutting, and electricity. Theories related to the above mentioned subjects will be discussed.

7005 7:00am - 8:30am TH MH 247  
 &lab 8:30am - 2:00pm TH MH 247  
 & 7:00am - 8:30am T MH 247  
 &lab 8:30am - 2:00pm T MH 247

(9 Week Class - Starts 4/13/2015, Ends 6/7/2015)

## COSMETOLOGY 131 TINTING I 6.00 Units

Prerequisite: Cosmetology 112;

The course covers basic, intermediate and advanced hair coloring, bleaching, toning, highlighting, frosting and color correction techniques. A variety of artificial nail procedures will be demonstrated. Theories to the above mentioned subjects will be discussed.

4304 4:30pm - 9:30pm MTWTh MH 128  
 & 7:00am - 10:00am SAT MH 128  
 &lab 10:00am - 2:00pm SAT MH 123

(7 Week Class - Starts 2/9/2015, Ends 4/4/2015)

7006 7:00am - 8:30am MTWTh MH 238  
 & 9:00am - 2:10pm MTWTh MH 238

(8 Week Class - Starts 2/9/2015, Ends 4/4/2015)

## COSMETOLOGY 132 TINTING II 6.00 Units

Prerequisite: Cosmetology 131;

The course covers all aspects of hair coloring, bleaching, toning, 'special effect' highlighting, foiling, cap frosting and color correction. Additional subjects are: haircutting, thermal and wet hair styling, and the study and applications of artificial nail products. Theories related to the above mentioned subjects will be discussed.

4305 4:30pm - 9:30pm MTWTh MH 128  
 & 7:00am - 10:00am SAT MH 128  
 &lab 10:30am - 2:00pm SAT MH 123

(7 Week Class - Starts 2/9/2015, Ends 4/4/2015)

7007 7:00am - 8:30am MTWTh MH 238  
 &lab 9:00am - 2:10pm MTWTh MH 238

(9 Week Class - Starts 4/13/2015, Ends 6/7/2015)

## COSMETOLOGY 141 SENIOR SALON I 6.00 Units

Prerequisite: Cosmetology 122 & 132.

The course reviews all areas of cosmetology, rules, regulations and State Board requirements for licensing. Students will perform client services, conduct consultations, record services, track client appointments and tickets. Theories that are related to all areas mentioned above will be discussed.

4306 4:30pm - 9:30pm MTWTh MH 128  
 & 7:00am - 10:00am SAT MH 128  
 &lab 10:00am - 2:00pm SAT MH 123

Team lab 4:30pm - 9:30pm M MH 238

(7 Week Class - Starts 4/13/2015, Ends 6/7/2015)

7008 7:00am - 8:30am MTWTh MH 126  
 &lab 8:30am - 2:00pm MTWTh MH 123

(8 Week Class - Starts 2/9/2015, Ends 4/4/2015)

## COSMETOLOGY 142 SENIOR SALON II 6.00 Units

Prerequisite: Cosmetology 141;

The student will be introduced to clinic floor practicum and advanced client services. Mock State Board procedures for licensure will be employed. Business practices include: client services, effective communication, job search skills, networking, strategies for building a clientele, selling techniques, starting and operating a business.

4307 4:30pm - 9:30pm MTWTh MH 128  
 & 7:00am - 10:00am SAT MH 128  
 &lab 10:00am - 2:00pm SAT MH 123

## Team lab 4:30pm - 9:30pm M MH 238

(7 Week Class - Starts 4/13/2015, Ends 6/7/2015)

7009 7:00am - 8:30am MTWTh MH 126  
 &lab 8:30am - 2:00pm MTWTh MH 123

(9 Week Class - Starts 4/13/2015, Ends 6/7/2015)

## COSMETOLOGY 217 MULTI-TEXTURE DESIGN (LEVEL 1-2) 3.00 Units

This class teaches the basic techniques of the five most popular methods for applying hair additions: strand by strand, braiding, bonding, track and sew and netting.

7027 2:30pm - 3:35pm MW MH 237  
 &lab 3:35pm - 5:00pm MW MH 237

## COSMETOLOGY 221 ADVANCED MAKEUP TECHNIQUES (NDA) 3.00 Units

This course is designed to teach students makeup applications in contouring techniques, correct shaping of eyes, lips and eyebrows; makeup applications for women of all ages and ethnicities, and tool knowledge and camouflage procedures.

7028 8:00am - 10:05am SAT MH 238  
 &lab 10:05am - 1:15pm SAT MH 238

## CULINARY ARTS

Chair: Steven Kasmar, Sage Hall - SA/H-118, (213) 763-7332

## CULINARY ARTS 111 CULINARY ARTS ORIENTATION I (CSU) 4.00 Units

Prerequisite: Culinary Arts 112; Corequisite: Culinary Arts 112.

With a combination of lecture and lab practice, the students are introduced to the world of commercial food production. Students are introduced to culinary theories and develop skills in knife handling, ingredient identification, small and large equipment use, weights and measures, recipe development and cooking fundamentals

7500 7:00am - 8:30am TWTh SA/ H354  
 &lab 8:30am - 1:00pm TWTh SA/ H102

(8 Week Class - Starts 2/9/2015, Ends 4/4/2015)

7503 7:00am - 8:30am TWTh SA/ H314  
 &lab 8:30am - 1:00pm TWTh SA/ H102

(9 Week Class - Starts 4/13/2015, Ends 6/7/2015)

7505 2:00pm - 3:10pm TTh SA/ H132  
 &lab 3:10pm - 6:15pm TTh SA/ H107

7530 2:00pm - 3:20pm TWTh SA/ H119  
 &lab 3:20pm - 7:30pm TWTh SA/ H102

(8 Week Class - Starts 4/14/2015, Ends 6/2/2015)

7551 7:00am - 9:20am F SA/ H132  
 &lab 9:20am - 3:50pm F SA/ H107

## CULINARY ARTS 112 Sanitation and Safety (CSU) 2.00 Units

Corequisite: Culinary Arts 111.

This class discusses sanitation and safety as it applies to the restaurant industry; HACCP protocol, preventing food borne outbreaks, introduction to microbiology and establishing 'flow of food systems' will be covered, federal, state and local legislation and employee training. National Restaurant Association Serve Safe Test will be given at conclusion of this class.

7501 7:15am - 9:25am MW SA/ H103

(9 Week Class - Starts 4/13/2015, Ends 6/7/2015)

7502 7:30am - 9:40am MW SA/ H301

(8 Week Class - Starts 2/9/2015, Ends 4/4/2015)

7504 7:30am - 9:20am TTh SA/ H301

(8 Week Class - Starts 2/9/2015, Ends 4/3/2015)

7537 2:00pm - 4:10pm MW SA/ H132

(8 Week Class - Starts 2/9/2015, Ends 4/4/2015)

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7538 4:30pm - 6:40pm MW SA/ H132  
(8 Week Class - Starts 2/9/2015, Ends 4/4/2015)

7557 2:00pm - 4:10pm MW SA/ H132  
(9 Week Class - Starts 4/13/2015, Ends 6/7/2015)

7558 4:30pm - 6:40pm MW SA/ H132  
(9 Week Class - Starts 4/13/2015, Ends 6/7/2015)

**CULINARY ARTS 120 4.00 Units**  
**FRONT OF HOUSE/DINING SERVICES**

Front of house topics pertinent to restaurant & hospitality management, dining room management, service, ing, use of POS system, money management, stewarding. Serve Safe "Alcohol" test will be administered at the conclusion of the course.

7534 9:45am - 10:45am MTWTh SA/ H103  
&lab 10:45am - 2:10pm MTWTh SA/ H103  
(8 Week Class - Starts 2/9/2015, Ends 4/4/2015)

7539 9:35am - 10:35am MTWTh SA/ H103  
&lab 10:35am - 1:50pm MTWTh SA/ H103  
(9 Week Class - Starts 4/13/2015, Ends 6/7/2015)

**CULINARY ARTS 121 6.00 Units**  
**GARDE MANGER I - BAKING (CSU)**

Prerequisite: Cul Art 111 & 112.

Introduction to Garde Manger and Baking. Introduction to basic garde manger, salads, cold sauces and salad dressings dressing, baking principles including yeast and sweet doughs, laminated doughs, mixing methods, and decorating.

7506 10:10am - 12:50am MTWTh SA/ H107  
&lec 10:10am - 12:00pm MTWTh SA/ H132  
(8 Week Class - Starts 2/9/2015, Ends 4/4/2015)

7509 6:30am - 10:25am MTWTh SA/ H107  
&lab 10:25am - 12:25pm MTWTh SA/ H132  
(9 Week Class - Starts 4/13/2015, Ends 6/7/2015)

7510 lab 2:00pm - 5:35pm TTh SA/ H107  
& 5:35pm - 7:30pm TTh SA/ H119

**CULINARY ARTS 122 6.00 Units**  
**GARDE MANGER II - CHARCUTEIRE (CSU)**

Prerequisite: Culinary Arts 111 and Culinary Arts 112;

Students will become proficient in the historical features of the grade manger stations including planning and preparation of cold soups, hors d' oeuvres, appetizers, canape, mousse, timbale, cold sauces, relishes, force-meat, galantine, terrine, pate en croute components. Preparation and usages of specialty meats, sweetbreads, and sausage will be defined; gelee, aspic, chaud froid, glazing, marinating, curing will be practiced; and buffet presentation, the display of carved fruit and vegetable garnishes and centerpieces will be studied. Projects will include international cuisine, salt dough sculpting and ice carving.

7507 7:45am - 9:40am MTWTh SA/ H119  
&lab 9:40am - 1:15pm MTWTh SA/ H107  
(9 Week Class - Starts 4/13/2015, Ends 6/7/2015)

7508 7:30am - 9:35am MTWTh SA/ H107  
&lab 9:35am - 1:25pm MTWTh SA/ H132  
(8 Week Class - Starts 2/9/2015, Ends 4/4/2015)

7511 lab 2:00pm - 5:35pm MW SA/ H119  
& 5:35pm - 7:30pm MW SA/ H107

**CULINARY ARTS 131 6.00 Units**  
**CULINARY ARTS - BREAKFAST I (CSU)**

Prerequisite: Culinary Arts 111; Culinary Arts 112;

Students are introduced to a la minute breakfast cookery, hot sandwiches, culinary management and supervision. Upon completion the students will be able to identify and safely use the tools and equipment used in breakfast cookery as well as egg cookery, breakfast meats, cereals, beverages, hot sandwiches, ala minute preparation, brunch items, pancakes, and waffles. Other areas covered include portion control, inventory pars, weights and measures, labor and cost control. Management, supervision, leadership, customer relations, communication, and teamwork and time management methods are introduced, discussed and practiced. Effective evaluation,

discipline and delegation methods are outlined. computerized food and labor cost and inventory controls are presented and practiced

7512 lab 6:30am - 10:10am MTWTh SA/ H107  
& 10:10am - 12:25pm MTWTh SA/ H132  
(8 Week Class - Starts 2/9/2015, Ends 4/4/2015)

7515 lab 6:30am - 10:10am MTWTh SA/ H107  
& 10:10am - 12:25pm MTWTh SA/ H132  
(9 Week Class - Starts 4/13/2015, Ends 6/7/2015)

**CULINARY ARTS 132 6.00 Units**  
**CULINARY ARTS - ENTREMETIER SAUCIER (CSU)**

Prerequisite: Culinary Arts 111; Culinary Arts 112;

Students will examine and prepare the theory and production techniques involved in the preparation of stocks, soups, sauces, starches, and vegetables in a classical and contemporary cooking approach. Students will develop a practical understanding of the role and application of sauce pairing with the center of the plate, vegetables, starches, and dessert items.

7513 7:00am - 9:00am MTWTh SA/ H134  
& lab 9:00am - 12:40pm MTWTh SA/ H107  
(9 Week Class - Starts 4/13/2015, Ends 6/7/2015)

7514 7:00am - 9:05am MTWTh SA/ H134  
&lab 9:05am - 12:40pm MTWTh SA/ H107  
(8 Week Class - Starts 2/9/2015, Ends 4/4/2015)

**CULINARY ARTS 141 6.00 Units**  
**BUTCHERY/CENTER OF THE PLATE AND QUANTITY FOOD COOKERY (CSU)**

Prerequisite: Culinary Arts 111; Culinary Arts 131; Culinary Arts 132; Culinary Arts 121, Culinary Arts 122 and Culinary Arts 112;

This course covers quantity and quality food production of meats, fish, and poultry. Students will practice center of the plate food preparation, meat identification and fabrication with an emphasis on portion control, sauce pairing and accompaniment compatibility. Students will discuss, compare and prepare various international foods.

7518 7:15am - 9:20am MTWTh SA/ H132  
&lab 9:20am - 12:30pm MTWTh SA/ H107  
(8 Week Class - Starts 2/9/2015, Ends 4/4/2015)

7519 7:15am - 9:15am MTWTh SA/ H132  
&lab 9:15am - 1:05pm MTWTh SA/ H107  
(9 Week Class - Starts 4/13/2015, Ends 6/7/2015)

**CULINARY ARTS 170 2.00 Units**  
**CULINARY NUTRITION (CSU)**

This course provides a quick overview of applied culinary nutrition. Recipe and menu development including ingredient selection and cooking techniques will be discussed. Special diet (low fat, low sodium, diabetic, and caloric intake) will be discussed. Appropriate for food service professionals who would like to work as personal chefs, with sports teams, at spas and resorts, major hospital chains, entertainment or transportation industries or in health care.

7532 7:00am - 11:40am M SA/ H354  
(7 Week Class - Starts 2/9/2015, Ends 4/4/2015)

7533 7:00am - 11:40am M SA/ H314  
(8 Week Class - Starts 4/13/2015, Ends 6/7/2015)

7552 2:45pm - 5:00pm MW SA/ H103  
(8 Week Class - Starts 2/9/2015, Ends 4/4/2015)

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## CULINARY ARTS 235 4.00 Units

### MENU PLANNING AND PURCHASING (CSU)

Prerequisites: Culinary Arts 111; Culinary Arts 112.

Advanced course in menu planning and purchasing using the menu as a tool for ordering, selection and procurement of food and beverage items. Menu, labor, and facility computer generated cost analysis and percentages will be addressed.

7516lab 7:00am - 10:20am MW SA/ H107  
& 10:20am - 1:40pm MW SA/ H134

(8 Week Class - Starts 2/9/2015, Ends 4/2/2015)

7520 lab 7:00am - 10:20am MW SA/ H107  
& 10:20am - 1:40pm MW SA/ H134

(9 Week Class - Starts 4/13/2015, Ends 6/7/2015)

7525 7:00am - 10:20am TTh SA/ H107  
& lab 10:20am - 1:40pm TTh SA/ H134

(8 Week Class - Starts 2/9/2015, Ends 4/2/2015)

## CULINARY ARTS 240 2.00 Units

### RESTAURANT SUPERVISION AND TRAINING (CSU)

Prerequisite: Culinary Arts 111; Culinary Arts 112;

Students are introduced to human resource management and supervision techniques. Students will identify the recruiting process, communication skills, leadership styles, legal issues in the workforce, employee motivation and discipline.

7521 2:00pm - 4:10pm MW SA/ H352

(8 Week Class - Starts 2/9/2015, Ends 4/4/2015)

7523 2:00pm - 4:10pm MW SA/ H352

(9 Week Class - Starts 4/13/2015, Ends 6/7/2015)

## CULINARY ARTS 941 4.00 Units

### COOPERATIVE EDUCATION - CULINARY ARTS (CSU)

Cooperative Education is a work experience program involving the employer, the student-employee and the college to insure that the student receives on the job training and the unit credit for work experience or volunteer work/internship. Completion of at least seven units, including Cooperative Education, at the end of the semester is required. Students must be employed or volunteering/interning in order to participate in program.

9044 4:25 hrs/wk TBA CY/ D236

See Co-op Education page in the back of the schedule for meeting days and times.

## DIESEL AND RELATED TECHNOLOGY

Chair: Jess Guerra, Oak Hall - OH/F-106A, (213) 763-3901

### DIESEL AND RELATED TECHNOLOGY 112 11.00 Units DIESEL ENGINE AND ETRICAL FUNDAMENTALS

This course is designed to cover the theory and operation of diesel engine components, shop safety, tools, fastening devices, use of measuring instruments, and electrical systems. The student should develop, hands-on skills, manual dexterity skills, critical thinking skills and basic employment skills.

7411 7:00am - 8:25am MTWTh OH/ F118  
&lab 8:25am - 12:20pm MTWTh OH/ F118

### DIESEL AND RELATED TECHNOLOGY 122 11.00 Units DIESEL FUEL INJECTION SYSTEMS

This course covers the principles of fuel injection systems. Emphasis is placed on the proper construction, operation, dis-assembly, diagnosis, reassembly, testing and calibrating of different type of pumps and fuel injectors. Various models will be examined, including electronic systems.

7400 7:00am - 8:05am MTWTh OH/ F126  
&lab 8:05am - 12:20pm MTWTh OH/ F126

### DIESEL AND RELATED TECHNOLOGY 122B 5.50 Units DIESEL FUEL SYSTEMS

This course will cover electronic fuel systems, including electronically controlled fuel pumps and injectors. Practical application by hands on exercises consisting of dis-assembly and assembly, calibration testing and troubleshooting.

4506 5:00pm - 6:20pm MW OH/ F126  
& lab 6:20pm - 10:20pm MW OH/ F126

## DIESEL AND RELATED TECHNOLOGY 132 11.00 Units

### HEAVY DUTY DRIVE TRAIN & AIR BRAKE SYSTEMS

Prerequisites: DIESLTK 112 and 122.

This course will cover the operating principles and repair of heavy duty clutches, transmissions, drive shafts, and differentials. In addition, students will also learn the operation and repair of air systems, foundation brakes, and anti-lock brake systems.

7410 7:00am - 8:05am MTWTh OH/ F210  
& lab 8:05am - 12:20pm MTWTh OH/ F100

### DIESEL AND RELATED TECHNOLOGY 132A 5.50 Units HEAVY DUTY DRIVE TRAIN

This course will cover the operating principles and repair of heavy duty clutches, transmissions, drive shafts, and differentials.

4452 5:00pm - 6:20pm TTh OH/ F211  
& lab 6:20pm - 10:20pm TTh OH/ F100

### DIESEL AND RELATED TECHNOLOGY 142 11.00 Units DIESEL ENGINE OVERHAUL & ETRONIC ENGINE CONTROLS

Prerequisite: Diesel and Related Technology 112; and

Diesel and Related Technology 122;

This course covers diesel engine overhaul principles including disassembly, inspection, and reassembly as part of overhauling a diesel engine. The operation of electronic engine controls will also be covered with an emphasis on using OEM diagnostic software in the troubleshooting of a diesel engine.

7312 7:00am - 8:05am MTWTh OH/ F211  
&lab 8:05am - 12:20pm MTWTh OH/ F100

### DIESEL AND RELATED TECHNOLOGY 142A 5.50 Units DIESEL ENGINE OVERHAUL

This course covers diesel engine overhaul principles including disassembly, inspection, and reassembly as part of overhauling a diesel engine.

4451 3:10 hrs/wk TBA ON LINE  
& lab 7:30am - 1:10pm SAT OH/ F100

### DIESEL AND RELATED TECHNOLOGY 185 1.00 Unit DIRECTED STUDY - DIESEL AND RELATED TECHNOLOGY

This course allows students to pursue a directed study in Diesel and Related Technology on a contract basis under the direction of a supervising instructor.

7313 1:20 hrs/wk TBA ON LINE

Please visit the online program homepage at <http://moodle.latic.edu> prior to the start of class for directions.

### DIESEL AND RELATED TECHNOLOGY 301 1.00 Unit INTRODUCTION TO ALTERNATIVE FUELS & HYBRID VEHICLE TECHNOLOGY

This course provides an introduction to various alternative fuel technologies being used in the automotive and heavy-duty diesel fields. Covers description and basic operation of Bio-diesel, Compressed Natural Gas (CNG), Liquefied Natural Gas (LNG), Fuel Cell and hybrid vehicle technologies.

7450 1:10 hrs/wk TBA ON LINE

Please visit the online program homepage at <http://moodle.latic.edu> prior to the start of class for directions.

### DIESEL AND RELATED TECHNOLOGY 303 5.00 Units ADVANCED HYBRID AND PLUG-IN ETRIC VEHICLES

This course covers advanced hybrid vehicle system diagnostics and replacement of hybrid and plug-in electric components such as high voltage battery, electric motor, capacitors, etc. Troubleshooting of gasoline/diesel engine will also be covered.

7413 1:00pm - 2:00pm TTh OH/ F210  
& lab 2:00pm - 5:30pm TTh OH/ F100

### DIESEL AND RELATED TECHNOLOGY 941 4.00 Units COOPERATIVE EDUCATION - DIESEL AND RELATED TECHNOLOGY

See Co-op Education page in the back of the schedule for meeting days and times. Cooperative Education is a work experience program involving the employer, the student-employee and the college to insure that the student receives on the job training and the unit credit for work experience or volunteer work/internship. Completion of at least seven units, including Cooperative Education, at the end of the semester is required. Students must be employed or volunteering/interning in order to participate in program.

9236 4:25 hrs/wk TBA CY/ D236

# SPRING 2015 Class Schedule

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## DIGITAL MEDIA

Chair: Carole Anderson, Cypress Hall - CY/D-222, (213) 763-3642

### DIGITAL MEDIA 101 FUNDAMENTALS OF MASS MEDIA (UC:CSU) 3.00 Units

Students will survey a range of mass media fields operating today with a particular attention to the development of media in modern history. From the history of print media through radio and television up to the internet age, students will engage in analysis of the ever-changing adaptations of mass media as it relates to globalization, politics, entertainment and consumerism.

4363 6:30pm - 7:40pm TTh CY/ D302  
&lab 7:40pm - 8:50pm TTh CY/ D302

### DIGITAL MEDIA 103 FUNDAMENTAL OF DIGITAL AUDIO (CSU) 3.00 Units

Students are introduced to the principles and process of digital audio recording and reproduction. Topics include such aspects as sound design, acoustics, Dolby surround sound, microphones, mixers, outboard gear, signal flow, and recording and editing audio. Further exploration will involve analog over digital formats and destructive over non-destructive editing.

4362 4:00pm - 5:10pm MW CY/ D302  
& lab 5:10pm - 6:20pm MW OH/ F231

### DIGITAL MEDIA 115 VIDEO PRODUCTION: NON-LINEAR EDITING (CSU) 3.00 Units

Students will engage in film and video editing techniques on a non-linear editing platform. A series of video editing projects will explore technical non-linear editing system skills and editing tools in the service of storytelling craft. Topics covered include theme, structure, continuity, rhythm, flow, suspense, and dramatic irony.

4364 6:30pm - 7:40pm MW CY/ D302  
& lab 7:40pm - 8:50pm MW CY/ D302

### DIGITAL MEDIA 152 DIGITAL ART 3.00 Units

Advisories: VISUAL COMMUNICATIONS 103

Students will develop an understanding of the core principles of digital art and design. Course covers the essentials of digital visual design using Photoshop and Illustrator: color theory, composition, software tools, photo manipulation and image creation.

4352 4:00pm - 5:15pm Th CY/ D302  
& lab 5:15pm - 8:30pm Th CY/ D302

## DRAFTING

Chair: William Elarton, Sequoia Hall - SQ/B-122, (213) 763-3701

### DRAFTING 010 CADD FOR SUSTAINABLE LANDSCAPE DESIGN 4.00 Units

Computer Aided Design/Drafting (CADD) applications specific to landscape professionals. Includes introduction to CADD skills, block functions, Internet applications, three-dimensional design, presentation drawings, building systems, working drawings, and working drawing coordination.

8003 9:45am - 11:15am MW RH/ C109  
&lab 11:15am - 12:45pm MW RH/ C107

## ECONOMICS

Chair: Freddie McClain, Aspen Hall - AH/TE-516, (213) 763-3936

### ECONOMICS 001 PRINCIPLES OF ECONOMICS I (UC:CSU) 3.00 Units

This course provides an introductory of microeconomic analysis and their application to business situation. Emphasis is on supply and demand, elasticities, consumer choice optimization, profits, economic rent, financial environment of business, market structure, economic and social regulations, antitrust policy in a globalized economy.

0185 11:45am - 1:10pm MW CH/ K321  
0186 10:10am - 11:35am TTh CH/ K321

**Economics 1** is also offered through ITV. Please visit [www.lamission.edu/itv](http://www.lamission.edu/itv). Telephone: (818) 833-3594 or (800) 917-9277

### ECONOMICS 002 PRINCIPLES OF ECONOMICS II (UC:CSU) 3.00 Units

This macroeconomics course concentrates on the behavior of the economy as a whole and includes such economy wide phenomena as changes in unemployment, general price level and national income. Emphasis is placed on public spending and public choice, economic fluctuations and business cycles. Other topics include fiscal and monetary policy, deficit spending and public debt, money creation, banking and central banking, policies and prospects for global economic growth, comparative advantage, international trade and contemporary economic developments.

0187 10:10am - 11:35am MW CH/ K321  
3033 6:00pm - 9:10pm M CH/ K321

## EDUCATION

Chair: Freddie McClain, Aspen Hall - AH/TE-516, (213) 763-3936

### EDUCATION 001 INTRODUCTION TO TEACHING (CSU) 3.00 Units

This course introduces students to the field of professional education and the concepts and issues that are related to K - 8 educations. Topics of this course include a basic understanding of a teacher's role and challenges in society, contemporary education issues within historical, social, philosophical, legal, and political contexts, impact of government policies on schools and children, and the various perspectives on curriculum and instruction. Students are required to complete a minimum of 45 hours of fieldwork in an approved elementary, self-contained classroom. TB test, finger print (live scan), and background check may be required by individual elementary school.

1060 10:10am - 11:35am TTh AH/T E315  
1061 1:20pm - 2:45pm MW AH/T E315  
(18 Week Class - Starts 2/9/2015, Ends 6/7/2015)

1062 11:45am - 1:10pm TTh AH/T E315

### EDUCATION 006 METHODS AND MATERIALS OF TUTORING (RPT 3) 1.00 Unit

1063 lab 11:45am - 1:10pm MW AH/T E315  
1064 lab 1:20pm - 2:45pm TTh AH/T E315

## ELECTRICAL CONSTRUCTION AND MAINTENANCE

Chair: William Elarton, Sequoia Hall - SQ/B-122, (213) 763-3701

### ELECTRICAL CONSTRUCTION AND MAINTENANCE 006 SECURITY AND FIRE ALARM TECHNICIAN CERTIFICATION (CSU) 3.00 Units

This course offers instruction in the installation of Fire and Security alarms. Upon successful completion of the course the student will be eligible to request and test for an installer certification by the National Alarm Association of America.

4619 6:00pm - 6:45pm MW SQ/ B351  
& 6:45pm - 9:10pm MW SQ/ B351

### ELECTRICAL CONSTRUCTION AND MAINTENANCE 100 (O.S.H.A.) SAFETY STANDARDS: CONSTRUCTION & INDUSTRY 2.00 Units

(Same as Building Construction Techniques 102).

This course provides instruction on industry safety and health rules as it applies to workers and employers within the construction industry. Topics such as fall protection, lock out tag out procedures, PPE, excavations, etc. are covered. Participants that meet the required hourly attendance and successfully pass the final exam will be eligible to receive their OSHA (30 hrs.) safety-training certificate.

8130 8:30am - 10:40am W SQ/ B320



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## **ELECTRICAL CONSTRUCTION AND MAINTENANCE 101 4.00 Units** **ETRICAL CRAFT HELPER (CSU)**

This course is designed as entry level preparation for a student interested in careers in the electrical power industry. This introductory course covers the basic fundamentals of planning, installation and maintenance of high and low voltage electrical systems. Basic functions of generation, both hydro and steam are covered. The transmission and distribution of electrical power will be reviewed. Fundamentals of electricity, identification, function, and operation of components will be surveyed. Ohms law, safety, ropes, knots, rigging, and tools required in the trade will be reviewed. Civil service exam assistance will also be covered.

**4785 5:00pm - 9:00pm T EDM TRAN**  
EDM Training Facility - 2nd Floor Classroom, 11760 Truedale Street, Sun Valley 91352

**4787 5:30pm - 9:45pm W CDH DWP**  
Central District Headquarters, Dept. Water & Power, 1350 S. Wall Street, Los Angeles, CA 90015. 213-763-3701

**4788 5:30pm - 9:45pm Th CDH DWP**  
Central District Headquarters, Dept. Water & Power, 1350 S. Wall Street, Los Angeles, CA 90015. 213-763-3701

**4789 5:00pm - 9:00pm W EDM TRAN**  
EDM Training Facility - 2nd Floor Classroom, 11760 Truedale Street, Sun Valley 91352

## **ELECTRICAL CONSTRUCTION AND MAINTENANCE 105 3.00 Units** **FUNDAMENTALS OF SOLAR ETRICITY (CSU)**

This course is designed for students interested in a career in the solar industry. The fundamental principles and functions of photo voltaic industry will be introduced. This course covers planning, installation, maintenance and all the necessary components for a photo voltaic system. The transmission and distribution of electric power will be reviewed. Basic concepts of electricity, identification, functions and operations of components will be surveyed.

**4750 6:00pm - 9:10pm F B. GOLUZA OH/ F209**  
8334 2:30pm - 5:40pm F B. GOLUZA OH/ F209

## **ELECTRICAL CONSTRUCTION AND MAINTENANCE 110 3.00 Units** **RENEWABLE ENERGY SYSTEMS (CSU)**

This course will cover energy basics, solar basics, both active and passive, solar-thermal and solar-electric, wind, hydro-power, wave and tidal power, bio-fuel and biomass resources, geothermal power, energy storage and hydrogen fuel cells. Both large and small scale, grid interactive and standalone systems will be discussed. Energy collection, site evaluation, design analysis of various systems, material use, and methods of construction will also be covered, along with overviews of California and US energy policy and global energy use.

**4620 6:00pm - 9:10pm F SQ/ B304**

## **ELECTRICAL CONSTRUCTION AND MAINTENANCE 115 3.00 Units** **FUNDAMENTALS OF D.C. ETRICITY**

This course offers study in the Fundamentals of D.C. Electricity. Subjects include: Electrical safety, the basic principles of atomic structure, electrical quantities, static electricity, magnetism, induction, resistors, series circuits, parallel circuits, and combination circuits. The proceeding resistive circuits will be analyzed using Ohm's Law, The Power Equation and Kirchoff's Voltage and Current Laws.

**4709 6:00pm - 9:10pm M OH/ F216**  
**4731 6:00pm - 9:10pm F SQ/ B352**  
8122 7:00am - 8:25am TTh SQ/ B353  
8126 7:00am - 8:25am TTh SQ/ B301

## **ELECTRICAL CONSTRUCTION AND MAINTENANCE 116 2.00 Units** **HANDTOOLS AND WIRING PRACTICES (CSU)**

This course covers the proper use of Hand Tools, Wiring Methods, Conductor Identification, Selection, Splicing and Termination. Trade Practices and an Introduction to the National Electrical Code.

**4712 lab 6:00pm - 9:10pm WF SQ/ B353**  
**4722 lab 6:00pm - 9:10pm TTh SQ/ B353**  
8123 lab 7:00am - 1:30pm F SQ/ B353  
8127 lab 7:00am - 1:30pm F SQ/ B301

## **ELECTRICAL CONSTRUCTION AND MAINTENANCE 117 4.00 Units** **ELEMENTARY CIRCUIT PRACTICES**

This course offers instruction in the drawing and analysis of wiring plans, wiring diagrams, and ladder diagrams. Including the wiring of both low and high voltage circuits utilizing: push button, single pole, standard three way, coast three way, standard four way, coast four way, and master switching systems.

8124 lab 8:35am - 11:45am MTWTh SQ/ B353  
8128 lab 8:35am - 11:45am MTWTh SQ/ B301

## **ELECTRICAL CONSTRUCTION AND MAINTENANCE 119 3.00 Units** **ETRICAL CONSTRUCTION AND MAINTENANCE**

This is an entry level course in electrical calculations and measurements with special emphasis on the application problems encountered in the electrical construction industry.

8125 7:00am - 8:25am MW SQ/ B353  
8129 7:00am - 8:25am MW SQ/ B301  
8303 3:10 hrs/wk TBA ON LINE

Please visit the online program homepage at <http://moodle.lattc.edu> prior to the start of class for directions.

## **ELECTRICAL CONSTRUCTION AND MAINTENANCE 120 3.00 Units** **INDUSTRIAL CONTROL SYSTEMS (CSU)**

Prerequisite: Electrical Construction and Maintenance 115; and Electrical Construction and Maintenance 119.

This course is a study of motors, circuits and devices used for controlling electric motors and the National Electrical Code covering motor installation.

**4713 6:00pm - 9:10pm M SQ/ B336**  
8136 10:45am - 12:10pm MT SQ/ B320  
8140 9:00am - 10:25am MT SQ/ B352

## **ELECTRICAL CONSTRUCTION AND MAINTENANCE 128 3.00 Units** **INDUSTRIAL CONTROL SYSTEMS PRACTICES (CSU)**

Prerequisite: Electrical Construction and Maintenance 120; and Electrical Construction and Maintenance 136 or Electrical Construction and Maintenance 184.

This course fosters the development and application of control circuitry through the use of instructional wiring panels and lab project boards. The course includes manual and electromagnetic control of motors using switches, pushbuttons, relays and starters for sequencing, jogging, reversing and timed control of motors and circuits.

8137 lab 7:00am - 9:20am MTThF SQ/ B320  
8141 lab 10:45am - 12:50pm MTWThF SQ/ B330

## **ELECTRICAL CONSTRUCTION AND MAINTENANCE 128A 1.00 Unit** **INDUSTRIAL CONTROL SYSTEMS PRACTICES A (CSU)**

This course fosters the development and application of control circuitry through the use of instructional wiring panels and lab project boards. The course includes manual and electromagnetic control of motors using switches, pushbuttons, relays and starters for sequencing, jogging, reversing and timed control of motors and circuits.

**4714 lab 6:00pm - 9:10pm M SQ/ B330**  
**4715 lab 6:00pm - 9:10pm W SQ/ B330**

## **ELECTRICAL CONSTRUCTION AND MAINTENANCE 128B 1.00 Unit** **INDUSTRIAL CONTROL SYSTEMS PRACTICES B (CSU)**

This course is the second module of the 128 A,B,C series and continues to foster the development and application of control circuitry through the use of instructional wiring panels and lab project boards. The course includes manual and electromagnetic control of motors using switches, pushbuttons, relays and starters for sequencing, jogging, reversing and timed control of motors and circuits.

**4716 lab 6:00pm - 9:10pm M SQ/ B330**  
**4717 lab 6:00pm - 9:10pm W SQ/ B330**

## **ELECTRICAL CONSTRUCTION AND MAINTENANCE 128C 1.00 Unit** **INDUSTRIAL CONTROL SYSTEMS PRACTICES C (CSU)**

This course is the final module of the 128 A,B,C series and finalizes the development and application of control circuitry through the use of instructional wiring panels and lab project boards. The course includes manual and electromagnetic control of motors using switches, pushbuttons, relays and starters for sequencing, jogging, reversing and timed control of motors and circuits.

**4718 lab 6:00pm - 9:10pm M SQ/ B330**  
**4719 lab 6:00pm - 9:10pm W SQ/ B330**

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## ELECTRICAL CONSTRUCTION AND MAINTENANCE 129 3.00 Units FUNDAMENTALS OF ALTERNATING CURRENT

Prerequisite: Electrical Construction and Maintenance 115; Electrical Construction and Maintenance 119;

This course offers a study in operating principles of electrical power systems, the theory of A.C. generators and motors, load calculations, efficiencies, power factor correction, and calculations related to these theories.

4720	6:00pm - 9:10pm	T	OH/ F216
4782	6:00pm - 9:10pm	F	OH/ F216
8138	10:45am - 12:10pm	ThF	SQ/ B320
8142	9:00am - 10:25am	ThF	SQ/ B352

## ELECTRICAL CONSTRUCTION AND MAINTENANCE 130 3.00 Units PRINCIPLES OF INDUSTRIAL ETRIC POWER

This course offers a study in operating principles and maintenance procedures and code requirements for electrical power systems. Theory of D.C. and A.C. generators and motors, load calculations, efficiencies and power factor correction are also covered.

4739	6:00pm - 9:10pm	F	SQ/ B302
8144	10:10am - 11:35am	MW	OH/ F234
8149	8:45am - 10:10am	MW	SQ/ B302

## ELECTRICAL CONSTRUCTION AND MAINTENANCE 136 3.00 Units INDUSTRIAL POWER APPLICATIONS

This course offers a practical study on shop experience in testing, servicing and repairing industrial plant electrical equipment, connection and operation of generators, as well as motors and their control systems.

8145 lab	7:00am - 10:10am	MWF	SQ/ B304
8150 lab	10:10am - 1:20pm	MWF	SQ/ B304

## ELECTRICAL CONSTRUCTION AND MAINTENANCE 137 3.00 Units INDUSTRIAL ETRONIC CONTROL SYSTEMS

In this course fundamental electronic and semiconductor theory as well as applications of electronic devices to industrial control systems are studied. Boolean algebra, logic circuits and numbering systems as they used in industrial controls are examined.

Transducers, photoelectric limit switches and other industrial devices are studied.

8146	10:10am - 11:35am	TTh	OH/ F234
8151	8:45am - 10:10am	TTh	SQ/ B302

## ELECTRICAL CONSTRUCTION AND MAINTENANCE 138 2.00 Units APPLICATIONS OF ETRICAL AND ETRONICS DEVICES (CSU)

This course studies identification and operational tests on various types of electrical and electronic equipment, including transformers, electronic motor speed control systems and other industrial control devices.

8147 lab	7:00am - 10:10am	TTh	SQ/ B304
8152 lab	10:10am - 1:20pm	TTh	SQ/ B304

## ELECTRICAL CONSTRUCTION AND MAINTENANCE 140 3.00 Units CONSTRUCTION WIRING PRINCIPLES AND PRACTICES

Prerequisite: Electrical Construction and Maintenance 130; and Electrical Construction and Maintenance 136; Corequisite: Electrical Construction and Maintenance 167;

This class teaches the wiring of electrical systems, including: layout, construction methods, code requirements, installation standards, and best practices.

8154	7:00am - 8:25am	MW	SQ/ B336
8159	7:00am - 8:25am	MW	SQ/ B352

## ELECTRICAL CONSTRUCTION AND MAINTENANCE 142 1.00 Unit BASIC PROGRAMMABLE LOGIC CONTROLS (PLC)

Introduction to Basic Programmable Logic Controllers, Programming Devices, Ladder Diagrams and Designing PLC Programs for Industrial Processes.

8148 lab	11:40am - 1:05pm	TTh	OH/ F234
8153 lab	7:00am - 10:10am	F	OH/ F234
8155 lab	1:00pm - 4:10pm	F	OH/ F234

## ELECTRICAL CONSTRUCTION AND MAINTENANCE 150 3.00 Units INTRODUCTION TO THE ETRICAL CODES

Prerequisite: Electrical Construction and Maintenance 130; and Electrical Construction and Maintenance 136; Corequisite: Electrical Construction and Maintenance 140;

This is a study and interpretation of the National Electrical Code, local ordinances, and regulations covering wiring installations and principal circuit requirements.

8133	7:00am - 8:25am	TF	SQ/ B336
8134	7:00am - 8:25am	TF	SQ/ B351

## ELECTRICAL CONSTRUCTION AND MAINTENANCE 159 4.00 Units PROGRAMMABLE LOGIC CONTROLS (PLC)

Prerequisite: Electrical Construction and Maintenance 120; and Electrical Construction and Maintenance 136 or Electrical Construction and Maintenance 184;

Programmable Logic Controller wiring, programming, and troubleshooting techniques are learned and practiced in a hands-on laboratory environment.

4723	6:00pm - 7:20pm	MW	OH/ F234
&lab	7:20pm - 9:40pm	MW	OH/ F234

## ELECTRICAL CONSTRUCTION AND MAINTENANCE 167 3.00 Units ETRICAL CONSTRUCTION WIRING TECHNIQUES

Prerequisite: Electrical Construction and Maintenance 130; and Electrical Construction and Maintenance 136; Corequisite: Electrical Construction and Maintenance 150;

Students are taught and practice electrical rough-in methods, while emphasizing safe working methods and compliance with Electrical Codes and trade standards.

8156 lab	8:25am - 11:35am	MWF	SQ/ B337
8161 lab	8:25am - 11:35am	MWF	SQ/ B337

## ELECTRICAL CONSTRUCTION AND MAINTENANCE 168 2.00 Units INSTALLATION OF ETRICAL WIRING

Students calculate and layout of interior electric wiring systems followed by practical installations including rough-in and finishing techniques.

8157 lab	8:25am - 11:35am	T	SQ/ B337
& lab	7:00am - 10:10am	Th	SQ/ B337
8162 lab	8:25am - 11:35am	T	SQ/ B337
& lab	7:00am - 10:10am	Th	SQ/ B337

## ELECTRICAL CONSTRUCTION AND MAINTENANCE 169 2.00 Units ALTERNATING CURRENT PRACTICES

This course offers a study in operating principles, and electrical power systems.

Theory of A.C. generators and motors, load calculations, efficiencies and power factor correction, and calculations related to these theories demonstrated with projects.

8139 lab	9:20am - 10:45am	MTThF	SQ/ B330
8143 lab	12:50pm - 2:00pm	MTWThF	SQ/ B330

## ELECTRICAL CONSTRUCTION AND MAINTENANCE 171 3.00 Units ETRICAL CODES AND ORDINANCES I

Basic electrical codes and ordinances are the focus of this course. General codes, wiring methods and fittings, and circuit requirements specified in the various ordinances are reviewed.

4724	6:00pm - 9:10pm	M	SQ/ B320
4730	6:00pm - 9:10pm	F	SQ/ B330

## ELECTRICAL CONSTRUCTION AND MAINTENANCE 172 3.00 Units ETRICAL CODES AND ORDINANCES II

Advanced electrical codes and ordinances are the focus of this course. General codes, wiring methods and fittings, and circuit requirements specified in the various ordinances are reviewed.

4725	6:00pm - 9:10pm	M	SQ/ B353
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## ELECTRICAL CONSTRUCTION AND MAINTENANCE 173 3.00 Units ETRICAL MATHEMATICS I

This is an entry level course in electrical calculations and measurements with special emphasis on the application problems encountered in the electrical construction industry.

4615	6:00pm - 9:10pm	Th	SQ/ B250
4726	6:00pm - 9:10pm	M	SQ/ B302
4732	6:00pm - 9:10pm	T	SQ/ B302

## ELECTRICAL CONSTRUCTION AND MAINTENANCE 174 3.00 Units ETRICAL MATHEMATICS II

Topics covered in this course are problems relating to A.C. power applications, use of the scientific calculator, percentage ratio and proportions, wire sizing, voltage drops, energy and efficiency calculations, trigonometric functions, phasor diagrams, A.C. single and poly-phase circuits, transformers, star and delta connections and mathematics for logic controls.

4728	6:00pm - 9:10pm	F	SQ/ B302
8307	10:20am - 1:30pm	F	C.J. BARNETT SQ/ B232

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## ELECTRICAL CONSTRUCTION AND MAINTENANCE 177 3.00 Units ETRIC MOTOR CONTROL I

This course studies basic motor control fundamentals including the basic functions of control. Magnetic principles of D.C. and A.C. motors, types of motors, motor selection fundamentals are reviewed. Topics covered also include definitions for controller components and symbols, familiarization with N.E.M.A. standards and review of one-line, wiring and schematic diagrams.

4729 6:00pm - 9:10pm W SQ/ B352

## ELECTRICAL CONSTRUCTION AND MAINTENANCE 178 3.00 Units ETRIC MOTOR CONTROL II

This course focuses on a brief review of material covered in Electric Motor Control I and the selection and application of D.C. and A.C. controllers with emphasis on the A.C. devices. Study areas include manual, magnetic, across-the-line starters, as well as most forms of reduced voltage starters including the auto transformer, primary resistor, star-delta, part-winding and wound rotor type reduced voltage starters. Synchronous, multi-speed starters and the many methods of decelerating and braking and static components are discussed.

4721 6:00pm - 9:10pm M SQ/ B320

## ELECTRICAL CONSTRUCTION AND MAINTENANCE 181 3.00 Units BASIC WIRING PRACTICES

This course contains the study of basic electrical diagrams; such as, wiring plans, wiring diagrams, and ladder diagrams. Topics of discussion include: Architectural symbols and drawings, reading and interpreting plans and specifications, as well as the drawing of basic circuits.

4733 6:00pm - 9:10pm T SQ/ B301

4762 6:00pm - 9:10pm W SQ/ B301

## ELECTRICAL CONSTRUCTION AND MAINTENANCE 182 1.00 Unit BASIC DIAGRAM AND CIRCUIT PRACTICES

This course provides practical shop practice in the wiring of signal, communication and control circuits. Connection of device mechanisms such as, lights, buzzers and relays are specifically reviewed.

4734 lab 6:00pm - 9:10pm Th SQ/ B301

4736 lab 6:00pm - 9:10pm F SQ/ B301

## ELECTRICAL CONSTRUCTION AND MAINTENANCE 183 3.00 Units RESIDENTIAL ETRIC WIRING

This Course covers the design and layout of residential electrical wiring in accordance with the National Electrical Code and recognized best trade practices.

4711 6:00pm - 9:10pm W SQ/ B352

4727 6:00pm - 9:10pm F OH/ F214

## ELECTRICAL CONSTRUCTION AND MAINTENANCE 184 3.00 Units MOTOR CONTROL PRINCIPLES AND PRACTICES

This course will examine the testing, adjusting, servicing and connecting motors, generators and associated controllers. Reduced voltage starters and other motor starting techniques will be studied.

4747 6:00pm - 6:50pm MW SQ/ B304

&lab 6:50pm - 9:10pm MW SQ/ B304

## ELECTRICAL CONSTRUCTION AND MAINTENANCE 186 3.00 Units INDUSTRIAL ETRICAL PRINCIPLES AND PRACTICES

This course content includes the use of measuring instruments, connecting and testing transformer banks and connecting and testing industrial electronic control devices. This course discusses single phase and three phase transformers.

4737 6:00pm - 6:50pm TTh SQ/ B304

&lab 6:50pm - 9:10pm TTh SQ/ B304

## ELECTRICAL CONSTRUCTION AND MAINTENANCE 187 4.00 Units ADVANCED PROGRAMMABLE CONTROLLERS

Prerequisite: Electrical Construction and Maintenance 159; Programmable Logic Controller lecture and laboratory class, including Sequencers, Shift Registers, Analog I/O, and Subroutines, taught using RSLogix software.

4772 6:00pm - 7:20pm TTh OH/ F234

&lab 7:20pm - 9:40pm TTh OH/ F234

## ELECTRICAL CONSTRUCTION AND MAINTENANCE 193 3.00 Units CONDUIT BENDING AND CALCULATIONS

This class teaches bending cutting and threading of conduits and the calculations that are included in these operations. EMT, rigid, and IMC conduit will be bent with hand and hydraulic benders.

4773 6:00pm - 6:45pm TTh SQ/ B337

&lab 6:45pm - 9:10pm TTh SQ/ B337

## ELECTRICAL CONSTRUCTION AND MAINTENANCE 193A 1.00 Unit CONDUIT BENDING LABORATORY

Corequisite: Electrical Construction and Maintenance 168.

This class teaches bending and cutting of conduits and the calculations that are included in these operations. EMT conduit will be bent with hand benders.

8158 lab 10:10am - 1:20pm Th SQ/ B337

8163 lab 10:10am - 1:20pm Th SQ/ B337

## ELECTRICAL CONSTRUCTION AND MAINTENANCE 195 3.00 Units GROUNDING: FUNDAMENTALS, APPLICATIONS AND PRACTICES

This course will cover the fundamentals of electrical system grounding principles of reviewing definitions, theory, and equipment installations. Application to accepted industry practices, compliance to the National Electrical Code, review of lightning protection and electronic equipment grounding will be covered.

8007 8:00am - 11:10am SAT CY/ D301

## ELECTRICAL CONSTRUCTION AND MAINTENANCE 196 4.00 Units INFRASTRUCTURE WIRING PRACTICES

This course offers instruction in the installation, termination, testing and documentation of commercial infrastructure wiring including the following: Coaxial Cable, Category 3,5,5E, & 6 Unshielded Twisted Pair, and Fiber Optics.

4707 6:00pm - 6:40pm TTh SQ/ B351

&lab 6:40pm - 9:10pm TTh SQ/ B351

## ELECTRICAL CONSTRUCTION AND MAINTENANCE 199 3.00 Units JOURNEYMAN ETRICAN EXAM PREPARATION

This course will prepare the student for the State of California Electricians' Certification Examination. The distance education version of the class uses the Internet, World Wide Web and personal e-mail.

4735 6:00pm - 6:40pm TTh OH/ F208

Team lab 6:40pm - 9:10pm TTh SQ/ B352

## ELECTRICAL CONSTRUCTION AND MAINTENANCE 205 2.00 Units SOLAR ENERGY INSTALLATION & MAINTENANCE PRINCIPLES AND PRACTICES

This course is designed for individuals who have the basic electrical and mechanical skills of an energy technician or electrician and are looking to expand into the renewable energy field. This is a hands on class to develop the fundamental principles and practices for installation and maintenance of solar, wind, and similar renewable energy systems. This course covers basic planning, installation, and maintenance of the necessary components for various renewable energy systems.

8335 lab 2:30pm - 5:40pm MW OH/ F151

## ELECTRICAL CONSTRUCTION AND MAINTENANCE 212 3.00 Units SIGNIFICANT CHANGES NEC - NATIONAL ETRICAL CODE (CSU)

Prerequisite: Electrical Construction and Maintenance 172.

Continuing education for the journeyman electrician. This course covers the changes to the National Electrical Code made during each 3 year code revision cycle. Each change to the code will be highlighted and how the change will impact the industry practices will be covered.

7603 3:10 hrs/wk TBA ON LINE

Please visit the online program homepage at <http://moodle.latic.edu> prior to the start of class for directions.

## ELECTRICAL CONSTRUCTION AND MAINTENANCE 215 3.00 Units SMALL WIND ENERGY SYSTEMS PRINCIPLES AND PRACTICES

This course is designed for individuals that have the basic electrical and mechanical skills of an energy technician or electrician and are looking to expand into the small wind energy field. This class will help one to develop the fundamental knowledge and skill sets typically required for small wind system practitioners and to help ensure safety, quality and consumer acceptance of small wind installations.

4740 6:00pm - 6:45pm MW SQ/ B203

& lab 6:45pm - 9:10pm MW SQ/ B203



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## ELECTRICAL LINEMAN - APPRENTICE

Chair: William Elarton, Sequoia Hall - SQ/B-122, (213) 763-3701

### ELECTRICAL LINEMAN - APPRENTICE 703A 3.00 Units ETRICAL LINEMAN APPRENTICE RELATED TRAINING III

Instruction is given in the stringent use of state law G.O.095, safety orders, OSHA requirements, overhead construction standards, overhead jobs, joint pole agreement of California, and electrical service requirements. Course reviews conductor sizes, splices, stringing, dead-ending, guying, rigging, transformer fusing, circulation current, trouble shooting, street lighting and public relations, live-line maintenance using live-line tools, safety and first aid.

5501 4:00pm - 6:00pm M GLEN PS  
& lab 6:00pm - 8:10pm M GLEN PS

City of Glendale Power Station, 800 Airway, Glendale, CA 91201-3012.  
Contact 213-763-3707

## ELECTRONICS

Chair: Eric Chavez, Cedar Hall - CH/K-325, (213) 763-3782

### ELECTRONICS 002 3.00 Units INTRODUCTION TO ETRONICS (CSU)

An overview of the field of applied electronics and its employment opportunities. Introduction to components, nomenclature and symbols. A familiarization of equipment, specifications and physical units. This is a broad introductory course for all students who need a survey of electronic applications and principles. Electronics as applied both historically and in today's society is investigated. Typical topics included are a study of the natural forces that make electronics possible, present applications of electronics to the fields of medicine, transportation, science, communications, industry, and the start of the digital invasion into our homes and work.

0460 12:35pm - 2:00pm MW CH/ K364  
0461 7:00am - 10:10am W CH/ K305  
3331 6:00pm - 9:10pm M CH/ K364

## ELECTRONICS TECHNOLOGY

Chair: Eric Chavez, Cedar Hall - CH/K-325, (213) 763-3782

### ELECTRONICS TECHNOLOGY 154 3.00 Units AC THEORY AND CIRCUIT FUNDAMENTALS

Prerequisite: Electronics Technology 151;

This course offers the Theory of AC Electronics as it applies to basic and advanced circuits found in analog electronics. The course prepares the student for more advanced studies in Communications and Digital Electronics. Subjects covered include Capacitors, Magnetic Circuits, Inductors, Sinusoidal Alternating Waveforms, Basic Elements and Phasers, Series and Parallel AC Circuits, Series-Parallel AC Networks, Methods of Analysis, Network Theorems (AC), Power (AC), Resonance, Filters and Bode Plots, Pulse waveforms, and an introduction to System Analysis. Basic algebra and trigonometry will be used as the tools for understanding the AC circuit as it applies to electronics systems.

0476 7:00am - 8:35am T CH/ K324  
& 8:35am - 10:10am Th CH/ K324

### ELECTRONICS TECHNOLOGY 155 2.00 Units AC THEORY AND CIRCUIT FUNDAMENTALS LAB

Prerequisite: Electronics Technology 152;

An overview of the field in AC electronics that measures and analyzes the parameters and characteristics of AC circuits: The students study their applications in electronic systems and becomes familiar with the various components used to make a viable circuit. In class, the students will also learn to construct and troubleshoot AC circuits.

0479 lab 8:35am - 11:55am T CH/ K366  
& lab 10:10am - 1:30pm Th CH/ K366

### ELECTRONICS TECHNOLOGY 156 1.00 Unit APPLIED AC CALCULATIONS

Prerequisite: Electronics Technology 153;

At the completion of this course, students will be able to perform mathematical functions used in AC circuit analysis. The topics include solving various algebraic

equations, fractional equations, simultaneous equations, trigonometric functions, vector algebra, and logarithms. These topics will be covered with emphasis on calculations involving series, parallel, and series-parallel AC circuits.

0482 7:00am - 7:55am Th CH/ K324

### ELECTRONICS TECHNOLOGY 161 3.00 Units F.C.C. RADIO OPERATOR LICENSE

This course provides information required by the Electronics Technician to aid in passing the F.C.C. general radiotelephone license examination. The F.C.C. rules, regulations, and theory areas are explained and sample F.C.C. type tests are given. Marine and aeronautical rules and regulations are also studied and are necessary for passing the general radiotelephone examination.

7832 3:10 hrs/wk TBA ON LINE

Please visit the online program homepage at <http://moodle.lattc.edu> prior to the start of class for directions.

### ELECTRONICS TECHNOLOGY 162 3.00 Units INTRODUCTION TO ETRONICS COMMUNICATIONS

This course covers circuit analysis of several complete AM/FM systems. The installations of C Band, K/U Band, and DSS satellite systems, the theory of cordless phones, microwave receivers/transmitters, cell phones, and TV video are covered.

0500 7:00am - 10:10am M CH/ K301

### ELECTRONICS TECHNOLOGY 163 3.00 Units INTRODUCTION TO ETRONICS COMMUNICATIONS LAB

Corequisite: Electronics Technology 158;

This course allows students direct laboratory application of the radio principles and techniques acquired in the lecture sessions. Laboratory experiments will include the construction and analysis of circuits, AM modulation, AM detection, FM modulation, frequency multiplication, limiting, FM discrimination, and the construction, testing and alignment complete AM super-heterodyne radio receiver. Microprocessor, digital and solid state troubleshooting techniques are analyzed and performed, as are system level to component level troubleshooting and repair. Basic antenna measurements, troubleshooting and repairs are made.

0503 lab 10:10am - 2:50pm M CH/ K368  
& lab 7:00am - 11:25pm W CH/ K368

### ELECTRONICS TECHNOLOGY 252 3.00 Units NETWORK CABLING SPECIALIST

This course is designed to provide students with the basic skills used in network technology. The successful completion of the course leads to a certificate in network cabling. Students will become familiar with EIA/TIA 568 Standards (Electronics Industry Alliance/ Telecommunications Association). Students will learn various cables used in network cabling industry such as CAT 5, CAT5E, and coaxial cables and correctly terminate them.

0509 7:00am - 9:10am Th CH/ K364  
&lab 9:25am - 12:35pm Th CH/ K364

### ELECTRONICS TECHNOLOGY 253 3.00 Units FIBER OPTICS

This course is designed to provide students with the knowledge and skills necessary to become entry-level technicians in the network cabling industry with a concentration in fiber optics. Successful completion of this course leads to industry certification.

0512 7:00am - 9:05am M CH/ K364  
&lab 9:25am - 12:35pm M CH/ K364

### ELECTRONICS TECHNOLOGY 254 3.00 Units COMPUTER APPLICATIONS FOR ETRONICS TECHNOLOGY

This course introduces students to computer hardware, software related technology and their uses impact on society and education; hands-on experience with applications of software, such as Excel, Word, Power Point with an emphasis on electronics applications software such as Electronic Work Bench and VISIO.

0515 7:00am - 9:20am F CH/ K305  
&lab 9:20am - 12:30pm F CH/ K305

### ELECTRONICS TECHNOLOGY 255 1.00 Unit COMPUTER-BASED ETRONICS I

This course introduces the students to Electronics Workbench (MultiSim), Electronics Technology Computer-Aided Instruction (ETCAI), and MultiSim Computer-Based Training (CBT) Software Programs. This course is designed to enable students to



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construct and analyze circuits using Electronics Workbench. It also enables students to increase their knowledge of electronics, using CAI.  
0518 lab 7:00am - 10:10am M CH/ K302

## ENGINEER-OPERATION & MAINTENANCE

Chair: William Elarton, Sequoia Hall - SQ/B-122, (213) 763-3701

### ENGINEER-OPERATION & MAINTENANCE 228 STEAM PLANT OPERATION I 6.00 Units

Related engineering information concerning high pressure steam plants in office buildings and industrial establishments are studied in this course. Emphasis is given to steam power plant, use of steam tables, types of boilers, construction of boilers, boiler accessories, settings for combustion equipment and heating surfaces; operation of steam boilers and the combustion of fuels.

4616 6:00pm - 9:10pm WF OH/ F208

### ENGINEER-OPERATION & MAINTENANCE 229 STEAM PLANT OPERATION II 6.00 Units

Instruction is given in steam engines, valve operating mechanisms and governors, and operating characteristics of steam engines. Course covers steam turbines, pumps, and auxiliary power plant equipment, steam plant efficiencies, boiler water treatment, troubleshooting, and power transmission. Completion of this second course prepares trainee to take Los Angeles City examination for steam engineer's license.

4756 6:00pm - 9:10pm TTh SQ/ B320

## ENGINEERING, GENERAL

Chair: Miguel Moreno, Cedar Hall - CH/K-405, (213) 763-7322

### ENGINEERING, GENERAL 101 INTRODUCTION TO SCIENCE, ENGINEERING AND TECHNOLOGY (UC:CSU) 2.00 Units

1705 9:00am - 10:10am M CH/ K420  
& 10:10am - 12:10pm M CH/ K420  
1706 9:00am - 10:00am Th CH/ K420  
&lab 10:00am - 12:10pm Th CH/ K420  
4048 6:00pm - 7:00pm T CH/ K420  
&lab 7:00pm - 9:10pm T CH/ K420

### ENGINEERING, GENERAL 131 STATICS (UC:CSU) 3.00 Units

Prerequisite: Math 265 with a grade of 'C' better.

1711 3:30pm - 4:35pm MW MH 301  
&lab 4:35pm - 6:05PM MW MH 301

### ENGINEERING, GENERAL 151 MATERIALS OF ENGINEERING (UC:CSU) 3.00 Units

Prerequisite: Chemistry 101 & Physics 1

4059 4:15pm - 5:45pm TTh CH/ K422

### ENGINEERING, GENERAL 241 STRENGTH OF MATERIALS (UC:CSU) 3.00 Units

1713 1:00pm - 2:05pm MW MH 301  
& lab 2:05pm - 3:35pm MW MH 301

## ENGLISH

Chair: Jan Gangel-Vasquez, Aspen Hall, AH/TE-515, (213) 763-3929

### ENGLISH 021 ENGLISH FUNDAMENTALS (NDA) 3.00 Units

Prerequisite: Placement Exam or Learning Skills 2C or Basic Skills 2CE

This course focuses on the fundamentals of academic reading, writing, and critical thinking. It reinforces basic skills such as the correct use of punctuation, spelling, and sentence structure. Students incorporate these skills, along with sentence combining techniques, to write single paragraph responses progressing to short essays (250-500 words) that have an introduction, body, and conclusion.

1341 8:35am - 10:00am TTh AH/T E107  
1342 10:10am - 11:35am MW TBA  
1343 11:45am - 1:10pm MW AH/T E208

1344 2:00pm - 5:10pm W AH/T E206  
3825 6:00pm - 9:10pm W AH/T E215  
3826 6:00pm - 9:10pm T OH/ F210

### ENGLISH 028 INTERMEDIATE READING AND COMPOSITION 3.00 Units

Prerequisite: English 21.

In this course, students plan, draft, revise, and edit compositions of increasing sophistication and complexity, progressing from multi-paragraph essays to research papers. Writing is based on readings that cover topics that challenge students' thinking and provide an intellectual background for the assignments. Readings, discussion, and writing assignments may focus on fiction, non-fiction, memoirs, and/or poetry. This course prepares students for English 101.

1359 8:35am - 10:00am MW TBA  
1365 2:00pm - 5:10pm Th TBA  
3828 6:00pm - 9:10pm Th TBA  
3829 6:00pm - 9:10pm W AH/T E208

3838 3:00pm - 5:55pm M TBA  
& 3:35 hrs/wk TBA ON LINE

Please visit the online program homepage at <http://moodle.lattc.edu> prior to the start of class for directions.

7946 3:25 hrs/wk TBA ON LINE  
#7946 - Science focus

Please visit the online program homepage at <http://moodle.lattc.edu> prior to the start of class for directions.

\*1348 12:00pm - 2:00pm MW TBA  
& 1:05 hrs/wk TBA ON LINE

(8 Week Class - Starts 2/9/2015, Ends 4/3/2015)  
(Fast Track - Transportation Focus)

\*1349 12:00pm - 2:00pm MW TBA  
& 1:05 hrs/wk TBA ON LINE

(8 Week Class - Starts 2/9/2015, Ends 4/3/2015)  
(Fast Track - Design and Media Arts Focus)

Please visit the online program homepage at <http://moodle.lattc.edu> prior to the start of class for directions.

### ENGLISH 100 ACCELERATED PREP: COLLEGE WRITING (NDA) 3.00 Units

Corequisite: English 67; Advisory:

This class prepares students for academic reading, critical thinking, and writing expected in transfer and associate-degree classes. Students plan, draft, revise, and edit compositions of increasing sophistication and complexity, progressing from multi-paragraph essays to research papers. Writing is based on readings that cover topics that challenge students' thinking and provide an intellectual background for the assignments. Readings, discussion, and writing assignments may focus on fiction, non-fiction, memoirs, drama, and/or poetry. This course prepares students for English 101.

1350 11:45am - 1:10pm MW OH/ F224  
1351 11:45am - 1:10pm TTh AH/T E210  
1353 8:35am - 10:00am TTh AH/T E208  
1357 8:35am - 10:00am MW AH/T E208  
1358 12:00pm - 1:25pm MW TBA  
1367 3:00pm - 4:40pm TTh AH/T E201  
1369 10:10am - 11:35am TTh AH/T E312  
1370 11:45am - 1:10pm TTh AH/T E210

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## ENGLISH 101 3.00 Units COLLEGE READING AND COMPOSITION I (UC:CSU)

Prerequisite: English 28;

In English 101, students extend their knowledge of the principles and structure of academic writing beyond the level of English 28 through the practice of writing essays and the analysis of non-fiction and select short and full-length fiction. The course includes an introduction to persuasive discourse, research skills, critical reading and thinking, and argumentation. Various compositions and extensive research assignments are required. English 101 fulfills the writing requirement for the Associate of Arts degree and fulfills the transfer requirement to a four-year college.

1371	10:10am - 11:35am	TTh	AH/T E215
1372	10:10am - 11:35am	TTh	AH/T E210
#1372 - Puente Students Only			

1374	2:00pm - 4:00pm	W	TBA
&	1:05 hrs/wk	TBA	TBA
#1374 - Science focus			

1375	8:30am - 10:00am	TTh	AH/T E215
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3834	3:00pm - 5:45pm	W	AH/T E212
&	3:35 hrs/wk	TBA	AH/T E212

**(8 Week Class - Starts 2/9/2015, Ends 4/3/2015)**

3836	6:00pm - 9:10pm	Th	AH/T E212
7941	3:10 hrs/wk	TBA	ON LINE

Please visit the online program homepage at <http://moodle.lattc.edu> prior to the start of class for directions.

7942	3:00 hrs/wk	TBA	ON LINE
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Please visit the online program homepage at <http://moodle.lattc.edu> prior to the start of class for directions.

7955	3:10 hrs/wk	TBA	ON LINE
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**(16 Week Class - Starts 2/22/2015, Ends 6/7/2015)**  
Please visit the online program homepage at <http://moodle.lattc.edu> prior to the start of class for directions.

*1373	12:00pm - 2:00pm	MW	TBA
&	2:00 hrs/wk	TBA	TBA

**(8 Week Class - Starts 4/13/2015, Ends 6/7/2015)**  
(Fast Track – Transportation Focus)

*1379	12:00pm - 2:00pm	MW	TBA
&	1:05 hrs/wk	TBA	TBA

**(8 Week Class - Starts 4/13/2015, Ends 6/7/2015)**  
(Fast Track – Design and Media Arts Focus)

**English 101** is also offered through ITV. Please visit [www.lamission.edu/itv](http://www.lamission.edu/itv). Telephone: (818) 833-3594 or (800) 917-9277

## ENGLISH 102 3.00 Units COLLEGE READING AND COMPOSITION II (UC:CSU)

Prerequisite: English 101;

This course develops critical thinking, reading, and writing skills beyond the level achieved in English 101. It emphasizes logical reasoning, analysis, and strategies of argumentation using literature and theories of literary criticism. Evaluations are made of texts that reveal the multicultural/global aspects of society, which include traditional and contemporary forms in fiction, poetry, essays, and drama.

3839	6:00pm - 9:10pm	W	TBA
7948	3:10 hrs/wk	TBA	ON LINE

Please visit the online program homepage at <http://moodle.lattc.edu> prior to the start of class for directions.

**English 102** is also offered through ITV. Please visit [www.lamission.edu/itv](http://www.lamission.edu/itv). Telephone: (818) 833-3594 or (800) 917-9277

## ENGLISH 103 3.00 Units COMPOSITION AND CRITICAL THINKING (UC:CSU)

Prerequisite: English 101;

English 103 helps students to develop their critical thinking and writing skills beyond the level achieved in English 101. The course emphasizes the application of research, logical reasoning, analysis, and strategies of argumentation in critical thinking and writing, using literature (both fiction and non-fiction) and literary criticism as subject matter.

1382	8:35am - 10:00am	MW	AH/T E215
1383	2:00pm - 5:10pm	Th	AH/T E208
1384	10:10am - 11:35am	MW	AH/T E215
1385	6:00pm - 8:00pm	Th	TBA
&	1:05 hrs/wk	TBA	TBA
3837	6:00pm - 9:10pm	T	AH/T E208
7943	3:25 hrs/wk	TBA	ON LINE

Please visit the online program homepage at <http://moodle.lattc.edu> prior to the start of class for directions.

7947	3:25 hrs/wk	TBA	ON LINE
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Please visit the online program homepage at <http://moodle.lattc.edu> prior to the start of class for directions.

7956	3:35 hrs/wk	TBA	ON LINE
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**(15 Week Class - Starts 3/2/2015, Ends 6/7/2015)**

Please visit the online program homepage at <http://moodle.lattc.edu> prior to the start of class for directions.

## ENGLISH 127 3.00 Units CREATIVE WRITING (UC:CSU)

Prerequisite: English 101

Introductory workshop offers writers accessible, hands-on exercises in crafting poetry, personal narratives, short stories, and screenplays. Content includes analysis of select prose, poetry and basic vocabulary related to structure, form, genre and style, with special focus on in-class peer critiques and revision as an integral component of the writing process. Workshop culminates in the delivery of a 40-50 page Writers Portfolio containing original writings students have created and revised during the semester.

1386	11:45am - 1:10pm	MW	AH/T E215
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## ENGLISH 206 3.00 Units ENGLISH LITERATURE II (UC:CSU)

Prerequisite: English 101;

Course will consist of a chronological survey of major authors and texts of British literature from the Romantic period, the Victorian Age, The Twentieth Century, and after. There is extensive reading and discussion of works as well as a strong writing component and emphasis on textual analysis, including examination of the relationship between historical events and literary works.

7944	3:25 hrs/wk	TBA	ON LINE
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Please visit the online program homepage at <http://moodle.lattc.edu> prior to the start of class for directions.

## ENGLISH 208 3.00 Units AMERICAN LITERATURE II (UC:CSU)

Prerequisite: English 101;

This survey of American literature from the Civil War period to the present emphasizes major writers and works in order to understand, appreciate, and investigate multicultural influences within national identity.

7945	3:25 hrs/wk	TBA	ON LINE
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Please visit the online program homepage at <http://moodle.lattc.edu> prior to the start of class for directions.

## ENGLISH 215 3.00 Units SHAKESPEARE I (UC:CSU)

Prerequisite: English 101; Advisory: English 102;

Course introduces students to Shakespeare's prose and poetry through several major plays and sonnets with an additional examination of Elizabethan England and the

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relationship between historical events and literary works. Course features a strong reading and writing component with an emphasis on class discussion, research and textual analysis.

1340 11:45am - 1:35pm M AH/T E120  
& 1:10 hrs/wk TBA AH/T E120

## ENGLISH AS A SECOND LANGUAGE

Chair: Jan Gangel-Vasquez, Aspen Hall, AH/TE-515, (213) 763-3929

### ENGLISH AS A SECOND LANGUAGE 006A 6.00 Units COLLEGE ESL VI: WRITING AND GRAMMAR (CSU)

Prerequisite: ESL 5A

ESL 6A students practice prewriting, editing, and rewriting skills that will lead to organized, well developed essays. A short research paper is also included. ESL 6A is part of sequel of ESL writing courses that leads to college level composition.

1402 8:40am - 11:45am TTh OH/ F214

### ENGLISH AS A SECOND LANGUAGE 008 6.00 Units ADVANCED ESL COMPOSITION (CSU)

Prerequisite: English 21; ESL 6S;

This is an advanced course in written composition and critical reading skills. It is a prerequisite to English 101. The emphasis is on writing based primarily on critical reading and secondarily on life experiences. Advanced grammar skills are emphasized throughout each lesson.

1403 8:40am - 11:45am MW OH/ F214

## ENGLISH AS A SECOND LANGUAGE - NONCREDIT

Chair: Christina Anketell, Mariposa Hall, MA-109e, (213) 763-3741

### ENGLISH AS A SECOND LANGUAGE - Noncredit 006CE 0.00 Unit ENGLISH AS A SECOND LANGUAGE - 0 (NDA) (RPT 9)

This course basic listening, reading, speaking, and writing skills for ESL learners with zero to minimum English language skills. Students will learn basic pronunciation, survival vocabulary, cultural differences, self-sufficiency for tasks and activities, and basic English structure.

5711 6:00pm - 7:40pm MTWTh CY/ D204  
(8 Week Class - Starts 2/9/2015, Ends 4/3/2015)

5712 6:00pm - 7:40pm MTWTh CY/ D204  
(8 Week Class - Starts 4/13/2015, Ends 6/5/2015)

8804 8:00am - 9:50am MTWTh OH/ F209  
(8 Week Class - Starts 2/9/2015, Ends 4/3/2015)

8805 8:00am - 9:50am MTWTh OH/ F209  
(8 Week Class - Starts 4/13/2015, Ends 6/5/2015)

### ENGLISH AS A SECOND LANGUAGE - Noncredit 007CE 0.00 Unit ENGLISH AS A SECOND LANGUAGE - 1 (NDA) (RPT 9)

This course basic listening, reading, speaking, and writing skills for ESL learners with zero to minimum English language skills. Students will learn basic pronunciation, survival vocabulary, cultural differences, self-sufficiency for tasks and activities, and basic English structure.

5713 6:00pm - 7:40pm MTWTh CY/ D200  
(8 Week Class - Starts 2/9/2015, Ends 4/3/2015)

5714 6:00pm - 7:40pm MTWTh CY/ D200  
(8 Week Class - Starts 4/13/2015, Ends 6/5/2015)

5715 6:00pm - 7:40pm MTWTh CY/ D204  
5716 6:00pm - 7:40pm MTWTh CY/ D204

8806 8:00am - 9:40am MTWTh CY/ D204  
(8 Week Class - Starts 4/13/2015, Ends 6/5/2015)

8807 8:00am - 9:50am MTWTh OH/ F210  
(8 Week Class - Starts 4/13/2015, Ends 6/5/2015)

### ENGLISH AS A SECOND LANGUAGE - Noncredit 008CE 0.00 Unit ENGLISH AS A SECOND LANGUAGE - 2 (NDA) (RPT 9)

Listening, reading, speaking, and writing skills for ESL learners with some English language skills.

5717 6:40pm - 7:40pm MTWTh CH/ K304  
(8 Week Class - Starts 2/9/2015, Ends 4/3/2015)

5718 6:40pm - 7:40pm MTWTh CH/ K304  
(8 Week Class - Starts 4/13/2015, Ends 6/5/2015)

8808 8:00am - 9:40am MTWTh CY/ D200  
(8 Week Class - Starts 2/9/2015, Ends 4/3/2015)

8809 8:00am - 9:40am MTWTh CY/ D200  
(8 Week Class - Starts 4/13/2015, Ends 6/5/2015)

## ENVIRONMENTAL DESIGN

Chair: William Elarton, Sequoia Hall - SQ/B-122, (213) 763-3701

### ENVIRONMENTAL DESIGN 101 3.00 Units FOUNDATIONS OF DESIGN I (UC:CSU)

Students develop creative, conceptual and analytical skills by creating simple to complex two and three dimensional projects based on nature systems and structural integrity. Connections between movement, rhythm, cycle, kinematics and mathematical formulation are explored in class as a foundation for smart spaces.

Students will learn to properly communicate architectural concepts through drawings, renderings, physical models, and computer 3-D modeling. Form and space design principles, theories, order and methodologies are explored and incorporated into student projects. Process and procedures are applied to personal innovative projects inspired by Gaudi, Buck Fuller, Frank Lloyd Right and Peter Eiseman. The profession of architecture and its relationship to others for the life cycle and sustainable synergy in the AEC Industry (Architecture, Engineering and Construction) are defined. This course is critical for students interested in pursuing a higher degree in architectural or a related design field. Students will also create a e portfolio of their work.

8005 7:00am - 7:30am TTh RH/ C107  
&lab 7:30am - 9:35am TTh RH/ C107

## ENVIRONMENTAL SCIENCE

Chair: Miguel Moreno, Cedar Hall - CH/K-405, (213) 763-7322

### ENVIRONMENTAL SCIENCE 001 3.00 Units THE HUMAN ENVIRONMENT: PHYSICAL PROCESSES (UC:CSU)

Introduction to the environmental mechanisms that constitute our life support systems and the social, political and economic factors that are the ultimate cause of these problems. This includes an examination of the difference between science and technology and the limits to technological solutions to our environmental problems. The basic science required to understand how our environmental systems work is presented followed by analysis of the essential components of our life support systems and how we impact them. Finally, the major environmental issues are analyzed along with potential solutions to these problems where they exist.

1688 10:00am - 1:10pm F AH/T E210  
& 3:15 hrs/wk TBA - ON LINE

Please visit the online program homepage at <http://moodle.lattc.edu> prior to the start of class for directions.

4093 9:00am - 12:10pm SAT AH/T E210  
& 3:15 hrs/wk TBA ON LINE

Please visit the online program homepage at <http://moodle.lattc.edu> prior to the start of class for directions.

## ESL CIVICS

Chair: Christina Anketell, Mariposa Hall, MA-109e, (213) 763-3741

### ESL CIVICS 013CE 0.00 Unit ESL AND CIVICS 4 (NDA) (RPT 9)

8810 10:00am - 11:40am MTWTh CY/ D200  
(8 Week Class - Starts 2/9/2015, Ends 4/3/2015)

8811 10:00am - 11:40am MTWTh CY/ D200  
(8 Week Class - Starts 4/13/2015, Ends 6/5/2015)

# SPRING 2015 Class Schedule

February 9 to June 6



## FASHION DESIGN

Chair: Carole Anderson, Cypress Hall - CY/D-222, (213) 763-3642

### FASHION DESIGN 111 CLOTHING CONSTRUCTION (CSU) 5.00 Units

The students will be given instruction in single needle machine operation, sewing technique projects, garment assembly projects, occupational information and method of evaluation and relationship to the Fashion Industry. Basic information needed for entry level employment is provided.

7050 7:00am - 8:10am MTWThF CY/ D332  
& lab 8:10am - 11:30am MTWThF CY/ D332  
(8 Week Class - Starts 2/9/2015, Ends 4/3/2015)

7051 7:00am - 8:10am MTWThF CY/ D234  
& lab 8:10am - 11:30am MTWThF CY/ D234  
(8 Week Class - Starts 2/9/2015, Ends 4/3/2015)

7052 11:45am - 12:55pm MTWThF CY/ D332  
& lab 12:55pm - 4:15pm MTWThF CY/ D332  
(8 Week Class - Starts 2/9/2015, Ends 4/3/2015)

7053 7:00am - 8:10am MTWThF CY/ D234  
& lab 8:10am - 11:30am MTWThF CY/ D234  
(9 Week Class - Starts 4/13/2015, Ends 6/7/2015)

7054 11:45am - 12:55pm MTWThF CY/ D234  
& lab 12:55pm - 4:15pm MTWThF CY/ D234  
(9 Week Class - Starts 4/13/2015, Ends 6/7/2015)

### FASHION DESIGN 112 BASIC FASHION ART AND DESIGN (CSU) 5.00 Units

Instruction includes drawing the women's fashion figure, drawing children and men's figures, flats, various styles and details. Introduction to color, design theory, fabric properties and rendering. Merchandising a garment line.

7055 7:00am - 8:10am MTWThF CY/ D203  
& lab 8:10am - 11:30am MTWThF CY/ D203  
(8 Week Class - Starts 2/9/2015, Ends 4/3/2015)

7056 11:45am - 12:55pm MTWThF CY/ D102  
& lab 12:55pm - 4:15pm MTWThF CY/ D102  
(8 Week Class - Starts 2/9/2015, Ends 4/3/2015)

7057 7:00am - 8:10am MTWThF CY/ D203  
& lab 8:10am - 11:30am MTWThF CY/ D203  
(9 Week Class - Starts 4/13/2015, Ends 6/7/2015)

7058 7:00am - 8:10am MTWThF CY/ D105  
& lab 8:10am - 11:30am MTWThF CY/ D105  
(9 Week Class - Starts 4/13/2015, Ends 6/7/2015)

7059 11:45am - 12:55pm MTWThF CY/ D102  
& lab 12:55pm - 4:15pm MTWThF CY/ D102  
(9 Week Class - Starts 4/13/2015, Ends 6/7/2015)

### FASHION DESIGN 118 ADVANCED CLOTHING CONSTRUCTION 2.00 Units

Prerequisite: Fashion Design 111;

The objective of this course is to advance the sewing skills of students using specialized machinery. Students will construct garments using knit fabric, lycra/spandex, and Chiffon.

7061 12:00pm - 1:00pm F CY/ D106  
& lab 1:00pm - 4:30pm F CY/ D106

### FASHION DESIGN 119A HISTORY OF COSTUME I (CSU) 1.50 Units

7062 9:00am - 10:45am MW CY/ D236  
(8 Week Class - Starts 2/9/2015, Ends 4/3/2015)

### FASHION DESIGN 119B HISTORY OF COSTUME II (CSU) 1.50 Units

7063 9:00am - 10:45am MW CY/ D236  
(9 Week Class - Starts 4/13/2015, Ends 6/7/2015)

### FASHION DESIGN 120 BASIC PATTERN MAKING & DESIGN (CSU) 5.00 Units

Prerequisite: Fashion Design 111; Fashion Design 112.

Instruction is given on drafting the basic block, multiple darts and gathers, style lines, sleeves, collars, skirts, and bodice silhouettes.

7064 7:00am - 8:10am MTWThF CY/ D130  
& lab 8:10am - 11:30am MTWThF CY/ D130  
(9 Week Class - Starts 4/13/2015, Ends 6/7/2015)

7065 7:00am - 8:10am MTWThF CY/ D102  
& lab 8:10am - 11:30am MTWThF CY/ D102  
(9 Week Class - Starts 4/13/2015, Ends 6/7/2015)

7066 11:45am - 12:55pm MTWThF CY/ D331  
& lab 12:55pm - 4:15pm MTWThF CY/ D331  
(9 Week Class - Starts 4/13/2015, Ends 6/7/2015)

### FASHION DESIGN 122 GRADING AND MARKER MAKING 5.00 Units

Instruction is given in grading the basic block, multi-patterns, the complete pattern for men, women and children, in a variety of sizes, make a marker, manipulate the one and two darts block, draft the basic dart positions, demonstrate the slash and pivot methods, draft extensions, button placement and facing.

7068 7:00am - 8:10am MTWThF CY/ D105  
& lab 8:10am - 11:30am MTWThF CY/ D105  
(8 Week Class - Starts 2/9/2015, Ends 4/3/2015)

7069 7:00am - 8:10am MTWThF CY/ D205  
& lab 8:10am - 11:30am MTWThF CY/ D205  
(8 Week Class - Starts 2/9/2015, Ends 4/3/2015)

7070 11:45am - 12:55pm MTWThF CY/ D105  
& lab 12:55pm - 4:15pm MTWThF CY/ D105  
(8 Week Class - Starts 2/9/2015, Ends 4/3/2015)

### FASHION DESIGN 125 TEXTILES, FIBERS AND FABRICS, PROPERTIES AND MANUFACTURING (CSU) 3.00 Units

This course is an introduction and overview of trade terminology, characteristics of fabric and the difference between cellulose, protein and man-made fibers. Topics discussed include: types of yarns and properties, twist yarn, yarn numbering systems and factors in yarn influencing quality. Woven, knitted, tufted, non-woven fabrics and additional fabrication methods will be discussed.

7072 12:00pm - 1:45pm TTh CY/ D236

### FASHION DESIGN 130 DRAPING & DESIGN (CSU) 5.00 Units

Prerequisite: Fashion Design 120.

Instruction is given in fundamental draping procedures. The basic block and dart variations, yoke styles, torso styles, advanced skirts, cowls, stretch knits, and current style adaptation are practiced.

7080 7:00am - 8:10am MTWThF CY/ D106  
& lab 8:10am - 11:30am MTWThF CY/ D106  
(9 Week Class - Starts 4/13/2015, Ends 6/7/2015)

7081 7:00am - 8:10am MTWThF CY/ D205  
& lab 8:10am - 11:30am MTWThF CY/ D205  
(9 Week Class - Starts 4/13/2015, Ends 6/7/2015)

### FASHION DESIGN 132 ADVANCED PATTERNS AND DESIGN (CSU) 5.00 Units

Prerequisite: Fashion Design 120 and Fashion Design 122;

Instruction is given in torso, jacket and pant blocks, sleeves-in-one with the bodice, neckline variations, and style adaptations according to current styling.

7076 7:00am - 8:10am MTWThF CY/ D130  
& lab 8:10am - 11:30am MTWThF CY/ D130  
(8 Week Class - Starts 2/9/2015, Ends 4/3/2015)



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7077 7:00am - 8:10am MTWThF CY/ D106  
& lab 8:10am - 11:30am MTWThF CY/ D106  
(8 Week Class - Starts 2/9/2015, Ends 4/3/2015)

**FASHION DESIGN 141  
ADVANCED DESIGN (CSU) 5.00 Units**

Prerequisite: Fashion Design 130 and Fashion Design 132;  
Instruction is given in knit blocks, specialized fabrics, dartless blocks, knock-offs, and specialized projects relating to current trends.

7085 7:00am - 8:10am MTWThF CY/ D333  
& lab 8:10am - 11:30am MTWThF CY/ D333  
(8 Week Class - Starts 2/9/2015, Ends 4/3/2015)

7086 11:45am - 12:55pm MTWThF CY/ D230  
& lab 12:55pm - 4:15pm MTWThF CY/ D230  
(8 Week Class - Starts 2/9/2015, Ends 4/3/2015)

**FASHION DESIGN 142  
MANUFACTURING PRODUCTION (CSU) 5.00 Units**

Prerequisite: Fashion Design 141;  
Instruction is given in design and creation of garments for showing to the apparel industry. Included is the creation of children's and men's designs along with evening and avant garde styles and the development of a perfect production patterns for a minimum of two ensembles. Field trips, senior evaluation, and job orientation are also included.

7089 7:00am - 8:10am MTWThF CY/ D333  
& lab 8:10am - 11:30am MTWThF CY/ D333  
(9 Week Class - Starts 4/13/2015, Ends 6/7/2015)

7090 11:45am - 12:55pm MTWThF CY/ D230  
& lab 12:55pm - 4:15pm MTWThF CY/ D230  
(9 Week Class - Starts 4/13/2015, Ends 6/7/2015)

**FASHION DESIGN 147  
FASHION SHOW PRODUCTION 2.00 Units**

Instruction is given on developing a theme and overall concept for presenting a fashion show. Topics include history of fashion presentations, model selection, fitting, stage design and execution plus behind the scenes production of a department fashion show.

7116 12:00pm - 1:45pm F CY/ D236  
& lab 1:00 hrs/wk TBA - CY/ D236

**FASHION DESIGN 148  
ACTIVEWEAR DESIGN 2.00 Units**

Prerequisite: Fashion Design 132;  
Instruction is given in the specialized area of activewear. Focusing on fabrication, design, inner-construction, and sewing techniques. The student will draft basic pattern blocks, design and construct an activewear garment.

7134 8:35am - 10:00am SAT CY/ D102  
& lab 10:00am - 3:15pm SAT CY/ D102  
(9 Week Class - Starts 4/13/2015, Ends 6/7/2015)

**FASHION DESIGN 151  
ADVANCED FASHION ART AND DESIGN 2.00 Units**

Prerequisite: Fashion Design 112;  
Instruction is given on design and creation of garments for showing to the apparel industry. Included is the creation of children's and men's designs along with evening and avant garde styles and the development of a perfect production patterns for a minimum of two ensembles. Field trips, senior evaluation, and job orientation are also included.

7060 12:00pm - 1:10pm MW CY/ D203  
& lab 1:10pm - 3:30pm MW CY/ D203  
(9 Week Class - Starts 4/13/2015, Ends 6/7/2015)

**FASHION DESIGN 222 2.00 Units**

**SAMPLE MAKING AND DESIGN I**

The fundamentals of garment construction using industrial patterns, marker making and industrial power machines. Students are assigned garment projects which demonstrate basic techniques, combining classic with modern manufacturing techniques, with special emphasis on pattern layouts for plaids and prints.

4250 lab 6:00pm - 9:10pm TTh CY/ D234  
7101 lab 8:35am - 3:05pm SAT CY/ D130

**FASHION DESIGN 223 2.00 Units**

**SAMPLE MAKING AND DESIGN II**

The objective of this course is to advance the sewing skills of fashion design students. Students are assigned to create and construct a coordinated group using industrial patterns. Selected blouses, shirts, pants and jacket are made.

4251 lab 6:00pm - 9:10pm TTh CY/ D234  
7103 lab 8:35am - 3:05pm SAT CY/ D130

**FASHION DESIGN 224 2.00 Units**

**SAMPLE MAKING AND DESIGN III**

Instruction is provided on construction and fitting of selected commercial patterns adapted to industry standards. Students receive instruction in the theory of color, line and proportion. They create or select designs suitable to the individual and occasion. Selected soft dressmaker type coats, suits, vests, blouses, and dresses are made.

4252 lab 6:00pm - 9:10pm TTh CY/ D234  
7105 lab 8:35am - 3:05pm SAT CY/ D130

**FASHION DESIGN 225 2.00 Units**

**PATTERN MAKING AND DESIGN I**

Advisory: Fashion Design 222;  
Entry level class offering instruction in development of a basic block, test fitting, and additional basic pattern making fundamentals.

4253 lab 6:00pm - 9:10pm MW CY/ D130  
7107 lab 8:35am - 3:05pm SAT CY/ D331

**FASHION DESIGN 226 2.00 Units**

**PATTERN MAKING AND DESIGN II**

Prerequisite: Fashion Design 225;  
Intermediate level class offering instruction on the torso bodice, dartless block and drafting a basic pant then using the blocks to create dresses, shirt styles and pant variations. Advanced skirts styling is also included.

4254 lab 6:00pm - 9:10pm MW CY/ D102  
7109 lab 8:35am - 3:05pm SAT CY/ D205

**FASHION DESIGN 227 2.00 Units**

**PATTERN MAKING AND DESIGN III**

Prerequisite: Fashion Design 226;  
Advanced level class offering instruction on jackets, advanced sleeve styles, contouring fundamentals, and basic bodysuits and leotards.

4255 lab 6:00pm - 9:10pm MW CY/ D102  
7111 lab 8:35am - 3:05pm SAT CY/ D205

**FASHION DESIGN 228 2.00 Units**

**PATTERN GRADING AND DESIGN I**

4256 lab 6:00pm - 9:10pm TTh CY/ D106

**FASHION DESIGN 229 2.00 Units**

**PATTERN GRADING AND DESIGN II**

Selected whole garments are graded. Research and study is done on the laws of proportionate growth, size ranges, and difficult pattern shapes. Principles of design are correlated to grading problems.

4257 lab 6:00pm - 9:10pm TTh CY/ D106

**FASHION DESIGN 230 1.00 Unit**  
**CONTEMPORARY GARMENT CONSTRUCTION TECHNIQUES**

This course provides the opportunity for students to review and practice various hand and machine sewing techniques. Students concentrate on garment assembly projects using industrial methods.

4282 lab 4:15pm - 6:15pm TTh CY/ D331  
(17 Week Class - Starts 2/16/2015, Ends 6/7/2015)

7091 lab 1:00pm - 3:00pm MW CY/ D333  
(17 Week Class - Starts 2/16/2015, Ends 6/7/2015)

# SPRING 2015 Class Schedule

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**FASHION DESIGN 231** 1.00 Unit  
**CONTEMPORARY PATTERN MAKING TECHNIQUES**  
 This course provides fashion students the opportunity to review and practice various pattern making techniques. Students concentrate on pattern drafting projects using industry methods.  
**4283 lab 4:15pm - 6:15pm TTh** CY/ D331  
 (17 Week Class - Starts 2/16/2015, Ends 6/7/2015)

7098 lab 1:00pm - 3:00pm MW CY/ D333  
 (17 Week Class - Starts 2/16/2015, Ends 6/7/2015)

**FASHION DESIGN 236** 2.00 Units  
**FASHION SKETCHING AND DESIGN I**  
 Instruction includes fashion figure drawing, rendering fabrics and garments on figures, designing selected garments, study of color theory and techniques.  
**4260 lab 6:00pm - 9:10pm MW** CY/ D230  
 7113 lab 8:35am - 3:05pm SAT CY/ D333

**FASHION DESIGN 237** 2.00 Units  
**FASHION SKETCHING AND DESIGN II**  
 Prerequisite: Fashion Design 236;  
 Instruction includes women's day dresses, children's fashion figures and garment designs, watercolor or gouache techniques, technical illustrations, contemporary graphic layouts and the portfolio development.  
**4262 lab 6:00pm - 9:10pm MW** CY/ D230  
 7115 lab 8:35am - 3:05pm SAT CY/ D333

**FASHION DESIGN 238** 2.00 Units  
**FASHION SKETCHING AND DESIGN III**  
 Prerequisite: Fashion Design 236; Fashion Design 237;  
 Instruction includes developing male croquis models, designing formal wear for men, women and children, exploring marker techniques, developing illustrations with markers and other mediums combined in categories of interest and concentration, writing a resume, cover letter and calling card and developing a refined professional portfolio in preparation for job interviews.  
**4264 lab 6:00pm - 9:10pm MW** CY/ D230  
 7117 lab 8:35am - 3:05pm SAT CY/ D333

**FASHION DESIGN 239** 2.00 Units  
**GOWN DRAPING AND DESIGN I**  
 Instruction is offered on draping, fitting basic blocks, and transferring the drape to a paper pattern. Students will drape basic type bodices, sleeves, skirts, collars, and construction details. Theory includes basic principles of design, line, proportion, and fabric use.  
**4267 lab 6:00pm - 9:10pm TTh** CY/ D105  
 7120 lab 8:35am - 3:05pm SAT CY/ D105

**FASHION DESIGN 240** 2.00 Units  
**GOWN DRAPING AND DESIGN II**  
 This course includes the draping of casual knit garments and dress and jacket style innovations. Students use either muslin or fashion fabric according to their capabilities. Fashion trends are studied and original designs are created.  
**4269 lab 6:00pm - 9:10pm TTh** CY/ D102  
 7121 lab 8:35am - 3:05pm SAT CY/ D105

**FASHION DESIGN 241** 2.00 Units  
**GOWN DRAPING AND DESIGN III**  
 This course correlates the designer's knowledge of designing, sketching, patternmaking, draping, and construction. Students develop confidence as they study the problems of merchandising and manufacturing. Original designs for special occasion garments are executed in various fabrics.  
**4271 lab 6:00pm - 9:10pm TTh** CY/ D102  
 7122 lab 8:35am - 3:05pm SAT CY/ D105

**FASHION DESIGN 244** 2.00 Units  
**COMPUTER FASHION ART**  
 This course offers computer fashion art instruction using the MAC computer. Emphasis is placed on the preparation and input of fashion images for portfolios and design presentations as required by industry standards.  
 7123 lab 8:35am - 3:05pm SAT CY/ D203

**FASHION DESIGN 250** 2.00 Units  
**BEGINNING COMPUTER APPAREL SYSTEMS**  
 This course concentrates on grading the commercial pattern using a computer. Inputting the pattern, establishing grade rules and correcting the pattern are included. Marker making, with emphasis on difficult garments and fabric problems is covered. Housekeeping and tape routines are explained.  
**4295 lab 6:00pm - 9:10pm TTh** CY/ D133

**FASHION DESIGN 255** 2.00 Units  
**COMPUTERIZED PRODUCT DESIGN**  
 This course offers advanced training and development of skills in apparel utilizing the latest versions of apparel pattern making software. Design students will concentrate on working on advanced pattern and design projects ranging from haute couture to ready-to-wear clothing.  
 7124 lab 8:35am - 3:05pm SAT CY/ D133

**FASHION DESIGN 256** 2.00 Units  
**CAD APPAREL PRE-PRODUCTION TECHNIQUES**  
 This course offers advanced training in apparel pre-production process, and marker making as it applies to computerized apparel production. The class will cover specialized computer software applications, such as Lectra Systems, used for marker making. Students will learn to identify menus associated with marker making applications and composing a full scale marker using industry standards.  
**4274 lab 6:00pm - 9:10pm MW** CY/ D132

**FASHION DESIGN 258** 2.00 Units  
**COMPUTER-AIDED PATTERN SYSTEMS**  
 Prerequisites: FASHDSN 120 or 225.  
 This course is designed to introduce computer aided pattern-making using Lectra Systems software programs. Class instruction will cover translating manual patterns to the computer as well as pattern creation using technology. Instruction will be given on system menus in their relation to pattern applications.  
 7128 lab 8:35am - 3:05pm SAT CY/ D132

**FASHION DESIGN 264** 2.00 Units  
**APPAREL COMPUTER SYSTEMS ANALYSIS (CSU)**  
 This lab course demonstrates how the apparel industry uses commercial and Vendor apparel technology in the global market. Topics covered are apparel software and commercial hardware used to design and manufacture products.  
 7140 11:45am - 12:55pm MW CY/ D133  
 & lab 12:55pm - 3:10pm MW CY/ D133  
 (9 Week Class - Starts 4/13/2015, Ends 6/7/2015)

**FASHION DESIGN 270** 2.00 Units  
**ILLUSTRATOR FOR FASHION DESIGN**  
 This course offers Adobe Illustrator instruction using the Macintosh computer. Emphasis is placed on the preparation and input of fashion design ideas in flat drawings for portfolios, pattern information cards, and cost sheets as required to meet industry standards.  
**4273 lab 6:00pm - 9:10pm TTh** CY/ D203

**FASHION DESIGN 941** 4.00 Units  
**COOPERATIVE EDUCATION - FASHION DESIGN**  
 Cooperative Education is a work experience program involving the employer, the student-employee and the college to insure that the student receives on the job training and the unit credit for work experience or volunteer work/internship. Completion of at least seven units, including Cooperative Education, at the end of the semester is required. Students must be employed or volunteering/interning in order to participate in program.  
 9092 4:25 hrs/wk TBA CY/ D232

# SPRING 2015 Class Schedule

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## FASHION MERCHANDISING

Chair: Carole Anderson, Cypress Hall - CY/D-222, (213) 763-3642

### FASHION MERCHANDISING 010 RETAIL MERCHANDISING (CSU) 3.00 Units

Advisory: English 101; Mathematics 105. This course introduces all phases of fashion retailing from the creative to the financial. It is designed to familiarize students to the crucial functions of merchandising and product management in a modern retail company. The course covers special aspects of retailing including: the evolution of the industry, merchandising roles and careers, market knowledge, consumer behavior, planning and control and retail pricing.

7161 8:30am - 10:15am MW CY/ D300

### FASHION MERCHANDISING 020 APPAREL PRODUCT DEVELOPMENT (CSU) 3.00 Units

Advisory: English 101; Mathematics 105. This course covers the step-by-step development of apparel products in a retail or wholesale environment. Students will use research, merchandising knowledge and the application of merchandising concepts and theories in a simulated process. The course includes visual presentation of design concepts, raw materials sourcing, overviews of production technology, wholesale marketing and retail distribution. Special emphasis is placed on the California apparel industry.

7167 8:30am - 11:20am F CY/ D300  
& lab 11:20am - 1:05pm F CY/ D300

### FASHION MERCHANDISING 021 CULTURAL PERSPECTIVES OF DRESS (CSU) 3.00 Units

This course covers the factors that influence human behavior in the selection of dress in societies and cultural groups, and the influence of these factors on the design and production of textiles and apparel. Students will study consumer's purchasing decisions. Topics include the cultural context of dress, dress as nonverbal communication, dress through life stages, dress in the workplace, ethnic influences on dress, and technological changes of dress.

7163 10:30am - 12:15pm MW CY/ D300

### FASHION MERCHANDISING 027 ADVANCED RETAIL MERCHANDISING (CSU) 3.00 Units

Prerequisite: Fashion Merchandising 10; Advisory: English 101; Mathematics 105; An advanced retail research and study course covering retail demographics, site selection, stock assortments, planning, retail budgets, and sales applicable to all retail environments. Merchandise coordination and seasonal planning are given detailed coverage.

7162 12:30pm - 1:55pm TTh CY/ D300  
& 1:55pm - 2:45pm TTh CY/ D300

### FASHION MERCHANDISING 035 FASHION PROMOTION (CSU) 3.00 Units

Advisory: English 101.

This course covers the promotional aspects of the retail fashion industry. Emphasis is given to the processes of fashion communication and how they connect company profit and performance with skillful and creative promotional strategies. Sales promotion, advertising formats, public relations, and direct marketing are presented.

4280 6:00pm - 7:45pm TTh CY/ D300

### FASHION MERCHANDISING 040 MODERN MERCHANDISING MATH (CSU) 3.00 Units

Advisory: Mathematics 105.

Students will learn to use the computer for costing, pricing, inventory control as well as vendor analysis. All current concepts in wholesale and retail merchandise planning are presented. The emphasis is on practical knowledge and the use of computers in today's apparel business. The class will cover the principles and procedures involved in the business applications of the apparel industry using Apparel Information Management System (AIMS) software for wholesale and Microsoft Excel for making retail buying decisions.

7165 8:30am - 10:15am TTh CH/ K304

### FASHION MERCHANDISING 050 INTERNATIONAL FASHION BUSINESS 3.00 Units

Advisory: English 101.

This course provides an active study of the dynamics and challenges of the international apparel industry. Topics covered include: International business today; cultural diversity and dynamics; international legal issues; global opportunities in marketing; importing/exporting strategies; and international fashion business vocabulary terms.

7166 10:30am - 12:15pm TTh CY/ D300

### FASHION MERCHANDISING 941 COOPERATIVE EDUCATION - FASHION MERCHANDISING 4.00 Units

Cooperative Education is a work experience program involving the employer, the student-employee and the college to insure that the student receives on the job training and the unit credit for work experience or volunteer work/internship. Completion of at least seven units, including Cooperative Education, at the end of the semester is required. Students must be employed or volunteering/interning in order to participate in program.

9088 4:25 hrs/wk TBA CY/ D232

## FRENCH

Chair: John Glavan, Aspen Hall - AH/TE-520, (213) 763-3931

### FRENCH 001 ELEMENTARY FRENCH I (UC:CSU) 5.00 Units

This course introduces the cultures and civilization of France and the French-speaking world. This introductory course stresses the fundamentals of French pronunciation and grammar; the building of a practical basic vocabulary; and the development of the ability to speak, understand, read, and write simple contemporary French.

1437 10:10am - 12:40pm TTh OH/ F223

### FRENCH 002 ELEMENTARY FRENCH II (UC:CSU) 5.00 Units

Prerequisite: French 1.

This course completes the study of elementary grammar, increases vocabulary, includes the reading of simplified texts with continued emphasis on aural and written comprehension, oral expression, and the writing of simple French. Further study of French and Francophone cultures are expected to be covered.

1438 12:50pm - 3:20pm TTh OH/ F223

## GEOGRAPHY

Chair: Miguel Moreno, Cedar Hall - CH/K-405, (213) 763-7322

### GEOGRAPHY 001 PHYSICAL GEOGRAPHY (UC:CSU) 3.00 Units

This course studies the physical environment of earth. Emphasis is placed on climate, soils, vegetation, landforms, maps, weather systems, oceans, and the atmosphere, and their pattern on Earth.

4079 6:00pm - 9:10pm W AH/T E306  
4080 6:00pm - 9:10pm M AH/T E306

## HEALTH

Chair: Joseph Ratcliff, Willow Hall, WH/J-202a, (213) 763-3730

### HEALTH 006 NUTRITION FOR HEALTHFUL LIVING AND FITNESS ACTIVITIES (UC:CSU) 3.00 Units

Basic nutrition theories, information for healthful food purchasing, and relationship of nutrition to disease. Benefits of exercise and techniques for body conditioning are learned. Class time includes participation in fitness activities including aerobic, developmental and flexibility exercises.

3802 4:30pm - 6:30pm W OH/ F215  
&lab 6:30pm - 8:30pm W OH/ F215

# SPRING 2015 Class Schedule

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**HEALTH 008** **3.00 Units**  
**WOMEN'S PERSONAL HEALTH (UC:CSU)**  
 A study of factors affecting physical, social and emotional well-being of women in our society.  
 1301 11:45am - 1:10pm MW OH/ F215  
 1302 11:45am - 1:10pm TTh OH/ F215

**HEALTH 011** **3.00 Units**  
**PRINCIPLES OF HEALTHFUL LIVING (UC:CSU)**  
 This course offers concepts to use today and tomorrow as guidelines for self-directed responsible living. Health topics cover the emotional and mental health, cardiovascular fitness, nutrition, chronic and communicable diseases, environmental issues, and the life cycle. Student is provided with self-assessments for examining their lifestyle habits and relationships, as well as, resources for getting help when they need it.  
 1303 7:00am - 8:25am MW OH/ F216  
 1304 8:35am - 10:00am MW OH/ F216  
 1305 10:10am - 11:35am MW OH/ F216  
 1306 11:45am - 1:10pm MW OH/ F216  
 1307 1:20pm - 2:45pm MW OH/ F215  
 1308 7:00am - 8:25am TTh OH/ F216  
 1309 8:35am - 10:00am TTh OH/ F216  
 1310 10:10am - 11:35am TTh OH/ F216  
 1311 11:45am - 1:10pm TTh OH/ F216  
 1312 10:10am - 11:35am MW OH/ F215  
 1317 10:10am - 11:35am TTh OH/ F215  
 1318 1:20pm - 2:45pm TTh OH/ F215  
 1319 1:20pm - 2:45pm TTh OH/ F216  
**3800 6:00pm - 9:05pm M OH/ F216**

7900 3:25 hrs/wk TBA ON LINE  
 Please visit the online program homepage at <http://moodle.lattc.edu> prior to the start of class for directions.

**Health 11** is also offered through ITV. Please visit [www.lamission.edu/itv](http://www.lamission.edu/itv). Telephone: (818) 833-3594 or (800) 917-9277

**HEALTH 012** **3.00 Units**  
**SAFETY EDUCATION AND FIRST AID (UC:CSU)**  
 This course involves the theory and detailed demonstration of the first aid care of the injured. The student will learn to assess a victim's condition and incorporate proper treatment. Standard first aid, CPR, and AED certification(s) will be granted upon successful completion of requirements.  
 1313 8:35am - 10:00am MW OH/ F215

**Health 12** is also offered through ITV. Please visit [www.lamission.edu/itv](http://www.lamission.edu/itv). Telephone: (818) 833-3594 or (800) 917-9277

## HISTORY

Chair: Freddie McClain, Aspen Hall - AH/TE-516, (213) 763-3936

**HISTORY 011** **3.00 Units**  
**POLITICAL AND SOCIAL HISTORY OF THE UNITED STATES I (UC:CSU)**  
 Advisory: English 28.  
 This course will examine the historical development of the United States of America from 1492 to the close of the Civil War. Emphasis is placed on the relationship of regions, the role of major ethnic and social groups, the continuity of the American experience, and its derivation from other cultures, politics, economics, social movements, and its geography.  
 1010 8:35am - 10:00am MW AH/T E313  
 1011 8:35am - 10:00am MW AH/T E301  
 1012 10:10am - 11:35am MW AH/T E301  
 1014 8:35am - 10:00am TTh AH/T E301  
 1015 11:45am - 1:10pm MW AH/T E301  
 1016 10:10am - 11:35am TTh AH/T E313

1017 11:45am - 1:10pm TTh AH/T E313  
 3627 6:00pm - 9:10pm T AH/T E313  
 3628 6:00pm - 9:10pm Th AH/T E313

7987 3:15 hrs/wk TBA - ON LINE  
 Please visit the online program homepage at <http://moodle.lattc.edu> prior to the start of class for directions.

**HISTORY 012** **3.00 Units**  
**POLITICAL AND SOCIAL HISTORY OF THE UNITED STATES II (UC:CSU)**

Advisory: English 28.  
 This course will examine the historical development of the United States of America from the close of the Civil War to the present. Emphasis is placed on the role of the major ethnic and social groups, the continuity of the American experience, and its derivation from other cultures, politics, economics, social movements, and its geography.  
 1019 11:45am - 1:10pm MW AH/T E313  
 1020 1:20pm - 2:45pm MW AH/T E313  
 1021 8:35am - 10:00am TTh AH/T E313  
 1022 11:45am - 1:10pm TTh AH/T E301  
**3629 6:00pm - 9:10pm W AH/T E313**

7980 3:15 hrs/wk TBA - ON LINE  
 Please visit the online program homepage at <http://moodle.lattc.edu> prior to the start of class for directions.

**HISTORY 042** **3.00 Units**  
**THE AFRICAN AMERICAN IN THE HISTORY OF THE U.S. II (UC:CSU)**  
 Advisory: English 28.

This course will examine the historical development of the United States of America from the end of the Civil War to the present with special emphasis on the contributions of the Afro-American. Emphasis is placed on the relationship of regions, both internal and external, the role of major ethnic and social groups, the continuity of the American experience, and its deviation from other cultures, politics, economics, social movements, and its geography will be examined.  
 1023 10:10am - 11:35am TTh AH/T E301

**HISTORY 044** **3.00 Units**  
**THE MEXICAN AMERICAN IN THE HISTORY OF THE UNITED STATES II (UC:CSU)**  
 1025 10:10am - 11:35am TTh TBA

**HISTORY 087** **3.00 Units**  
**INTRODUCTION TO WORLD CIVILIZATION II (UC:CSU)**  
 Introduction survey of World Civilization from 1500 to the Present. This course will examine and compare the social, economic, and political formations of various governments, societies, and world cultures. Major topics will include the development of the nation state, economic systems and technology, industrialization, colonization, and global conquest, revolutions, and migration and settlement patterns.  
 1024 10:10am - 11:35am MW AH/T E313

## HUMANITIES

Chair: John Glavan, Aspen Hall - AH/TE-520, (213) 763-3931

**HUMANITIES 001** **3.00 Units**  
**CULTURAL PATTERNS OF WESTERN CIVILIZATION (UC:CSU)**  
 Prerequisite: English 28.

This course is an introduction to the general concepts of the humanities. Music, painting, sculpture and architecture are studied and compared in relation to their background, medium, organization and style. Included is a survey of the most productive periods of Western history, from classical Greek through the Medieval period. Stress is placed on awareness of difference in cultural heritage, values and perspective as revealed in the arts.  
 1439 8:35am - 10:00am TTh MH 308  
 1440 2:40pm - 5:50pm T AH/T E215  
 1441 9:00am - 12:10pm SAT MH 305  
**3854 6:00pm - 9:10pm Th AH/T E215**  
**3855 6:00pm - 9:10pm T MH 308**  
**3856 4:00pm - 7:10pm W AH/T E215**



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## HUMANITIES 002 3.00 Units

### STUDIES IN SETED CULTURES (UC:CSU)

Prerequisite: English 28.

Students study in-depth the social, political, economic and cultural features of a particular culture or set of related cultures. Customs, traditions, values, historical events and trends, religious traditions, pop cultural practices, achievements and trends in the arts and the sciences of the cultures studied are also examined. Western, Eastern, Mid-Eastern, African and other cultures and societies both past and present may be studied.

1442	10:10am - 11:35am	TTh	MH 308
3857	6:00pm - 9:10pm	M	AH/T E215

## KINESIOLOGY

Chair: Joseph Ratcliff, Willow Hall, WH/J-202a, (213) 763- 3730

### KINESIOLOGY 300-1 1.00 Unit

#### SWIMMING NON-SWIMMER - 1 (CSU)

This course will enhance the skills of the students in floating, kicking and swimming the crawl and backstroke.

2200 lab	8:35am - 9:45am	MW	POOL
&	9:45am - 10:00am	MW	POOL
2202 lab	11:45am - 12:55pm	MW	POOL
&	12:55pm - 1:10pm	MW	POOL
2204 lab	10:10am - 11:20am	TTh	POOL
&	11:20am - 11:35am	TTh	POOL
2206 lab	11:45am - 12:55pm	TTh	POOL
&	12:55pm - 1:10pm	TTh	POOL
2208 lab	9:00am - 11:40am	F	POOL
&	11:40am - 12:10pm	F	POOL

### KINESIOLOGY 300-2 1.00 Unit

#### SWIMMING NON-SWIMMER - 2 (CSU)

This course continues to enhance the skills of the students in floating, kicking and swimming the crawl and backstroke, that were developed in Swimming-I. Additionally, skills in the sidestroke and the elementary backstroke will be taught as well as the ability to safely enter the water with a jump and a long shallow dive.

2201	8:35am - 9:45am	MW	POOL
& lec	9:45am - 10:00am	MW	POOL
2203	11:45am - 12:55pm	MW	POOL
& lec	12:55pm - 1:10pm	MW	POOL
2205	10:10am - 11:20am	TTh	POOL
& lec	11:20am - 11:35am	TTh	POOL
2207	11:45am - 12:55pm	TTh	POOL
& lec	12:55pm - 1:10pm	TTh	POOL
2209	9:00am - 11:40am	F	POOL
& lec	11:40am - 12:10pm	F	POOL

### KINESIOLOGY 301-1 1.00 Unit

#### SWIMMING -1 (UC:CSU)

This course is designed to further enhance the skills of competitive swimming in freestyle and backstroke including competitive flip turns, starts and finishes. The course will also introduce the basic principles of training.

2212 lab	10:10am - 11:20am	MW	POOL
&	11:20am - 11:35am	MW	POOL

### KINESIOLOGY 301-2 1.00 Unit

#### SWIMMING - 2 (UC:CSU)

Prerequisite: KIN 300-1

This course is designed to further enhance the skills of competitive swimming in freestyle and backstroke learned in 301-1 as well as introduce the basic principles of the competitive Breaststroke. The course will also use slightly advanced principles of training and increased yardage.

2213	10:10am - 11:20am	MW	POOL
& lec	11:20am - 11:35am	MW	POOL

### KINESIOLOGY 307-1 1.00 Unit

#### SWIM AND RUN FOR FITNESS-I (UC:CSU)

2215	1:20pm - 2:30pm	TTh	WH/ J212
& lec	2:30pm - 2:45pm	TTh	WH/ J212
2217	10:10am - 11:20am	TTh	WH/ J212
& lec	11:20am - 11:35am	TTh	WH/ J212

### KINESIOLOGY 307-2 1.00 Unit

#### SWIM AND RUN - 2 (CSU)

This course develops cardiovascular conditioning and fitness through running and swimming laps. It enables students to gain awareness of the importance of proper running techniques/postural alignment, including progressive resistance training and conditioning for the purpose of training for a triathlon. Nutrition and concepts of fitness are also covered.

2216	1:20pm - 2:30pm	TTh	WH/ J212
& lec	2:30pm - 1:45pm	TTh	WH/ J212
2218 lab	10:10am - 11:20am	TTh	WH/ J212
& lec	11:20am - 11:35am	TTh	WH/ J212

### KINESIOLOGY 329-1 1.00 Unit

#### BODY CONDITIONING -1 (CSU)

This class is designed to incorporate forms, concepts and techniques associated with body conditioning. Including Pilates, Core Strengthening, Cardiovascular Exercise and Muscular Strength and Endurance exercises.

2220 lab	7:00am - 8:10am	MW	CH/K BASE
&	8:10am - 8:25am	MW	CH/K BASE
2222 lab	8:35am - 9:45am	MW	CH/K BASE
&	9:45am - 10:00am	MW	CH/K BASE
2224 lab	10:10am - 11:20am	MW	CH/K BASE
&	11:20am - 11:35am	MW	CH/K BASE
2226 lab	11:45am - 12:55pm	MW	CH/K BASE
&	12:55pm - 1:10pm	MW	CH/K BASE
2228 lab	1:20pm - 2:30pm	MW	CH/K BASE
&	2:30pm - 2:45pm	MW	CH/K BASE
2230 lab	6:00pm - 7:10pm	MW	CH/K BASE
&	7:10pm - 7:25pm	MW	CH/K BASE
2234 lab	7:00am - 8:10am	TTh	CH/K BASE
&	8:10am - 8:25am	TTh	CH/K BASE
2236 lab	8:35am - 9:45am	TTh	CH/K BASE
&	9:45am - 10:00am	TTh	CH/K BASE
2238 lab	10:10am - 11:20am	TTh	CH/K BASE
&	11:20am - 11:35am	TTh	CH/K BASE
2240 lab	11:45am - 12:55pm	TTh	CH/K BASE
&	12:55pm - 1:10pm	TTh	CH/K BASE
2242 lab	1:20pm - 2:30pm	TTh	CH/K BASE
&	2:30pm - 2:45pm	TTh	CH/K BASE
2244 lab	6:00pm - 7:10pm	TTh	CH/K BASE
&	7:10pm - 7:25pm	TTh	CH/K BASE
2246 lab	9:00am - 11:30am	SAT	CH/K BASE
&	11:30am - 12:00pm	SAT	CH/K BASE

### KINESIOLOGY 329-2 1.00 Unit

#### BODY CONDITIONING--2 (CSU)

Prerequisite: KIN 329-1

This class is designed to incorporate intermediate forms, concepts and techniques associated with body conditioning. Including Pilates, Core Strengthening, Cardiovascular Exercise and Muscular Strength and Endurance exercises.

2221	7:00am - 8:10am	MW	CH/K BASE
& lec	8:10am - 8:25am	MW	CH/K BASE
2223	8:35am - 9:45am	MW	CH/K BASE
& lec	9:45am - 10:00am	MW	CH/K BASE
2225	10:10am - 11:20am	MW	CH/K BASE
& lec	11:20am - 11:35am	MW	CH/K BASE
2227	11:45am - 12:55pm	MW	CH/K BASE
& lec	12:55pm - 1:10pm	MW	CH/K BASE
2229	1:20pm - 2:30pm	MW	CH/K BASE
& lec	2:30pm - 2:45pm	MW	CH/K BASE
2233	6:00pm - 7:10pm	MW	CH/K BASE
& lec	7:10pm - 7:25pm	MW	CH/K BASE
2235	7:00am - 8:10am	TTh	CH/K BASE
& lec	8:10am - 8:25am	TTh	CH/K BASE
2237	8:35am - 9:45am	TTh	CH/K BASE
& lec	9:45am - 10:00am	TTh	CH/K BASE
2239	10:10am - 11:20am	TTh	CH/K BASE
& lec	11:20am - 11:35am	TTh	CH/K BASE
2241	11:45am - 12:55pm	TTh	CH/K BASE
& lec	12:55pm - 1:10pm	TTh	CH/K BASE
2243	1:20pm - 2:30pm	TTh	CH/K BASE
& lec	2:30pm - 2:45pm	TTh	CH/K BASE

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**2245** 6:00pm - 7:10pm TTh **CH/K BASE**  
 &lec 7:10pm - 7:25pm TTh **CH/K BASE**  
**2247** 9:00am - 11:40am SAT **CH/K BASE**  
 &lec 11:30am - 12:10pm SAT **CH/K BASE**

**KINESIOLOGY 334-1** **1.00 Unit**  
**WALKING FOR FITNESS- 1 (CSU)**

Walking for Fitness level 1 focuses on achieving cardiovascular fitness, building upon level 1 workouts and enhancing a healthy lifestyle through walking. Includes such topics as fitness walking training principles overload and specificity, proper nutrition, differences of aerobic versus anaerobic workouts, Target Heart Rate, proper technique, shoe selection, posture, gait, flexibility, clothing, and safety limitations. This course will assess fitness levels and identify the physical health benefits from walking.

2250 lab 11:45am - 12:55pm MW WH/ J212  
 & 12:55pm - 1:10pm MW WH/ J212  
 2252 11:45am - 12:55pm TTh WH/ J212  
 &lec 12:55pm - 1:10pm TTh WH/ J212

**KINESIOLOGY 334-2** **1.00 Unit**  
**FITNESS WALKING - 2 (CSU)**

Prerequisite: KIN 334-1

Walking for Fitness level 2 focuses on achieving cardiovascular fitness, building upon level 1 workouts and enhancing a healthy lifestyle through walking. Includes such topics as fitness walking training principles overload and specificity, proper nutrition, differences of aerobic versus anaerobic workouts, Target Heart Rate, proper technique, shoe selection, posture, gait, flexibility, clothing, and safety limitations. This course will assess fitness levels and identify the physical health benefits from walking.

2251 11:45am - 12:55pm MW WH/ J212  
 &lec 12:55pm - 1:10pm MW WH/ J212  
 2256 11:45am - 12:55pm TTh WH/ J212  
 &lec 12:55pm - 1:10pm TTh WH/ J212

**KINESIOLOGY 387** **1.00 Unit**  
**BASKETBALL (UC:CSU)**

This course is designed to teach all levels of basketball skills. It not only emphasizes fundamental basketball skills such as dribbling, passing and shooting but it also includes the selection and care of equipment, rules, offense and defense strategy, etiquette, terminology and the components of fitness.

2254 lec 3:00pm - 3:25pm MW LG/ G100  
 &lab 3:25pm - 5:10pm MW LG/ G100

**(12 Week Class - Starts 3/9/2015, Ends 6/7/2015)**

2255 lec 3:00pm - 3:25pm TTh LG/ G100  
 & lab 3:25pm - 5:30pm TTh LG/ G100

**(12 Week Class - Starts 3/9/2015, Ends 6/7/2015)**

**KINESIOLOGY 500** **3.00 Units**  
**BASKETBALL THEORY (CSU)**

This course will help the advanced basketball student acquire a more in depth understanding of the various offensive and defensive theories in the sport of basketball. Analysis of strategies and outcomes will be emphasized.

2260 1:20pm - 2:05pm MTWTh LG/ G100  
 &lab 2:05pm - 2:50pm MTWTh LG/ G100

**(9 Week Class - Starts 4/13/2015, Ends 6/7/2015)**

## KINESIOLOGY ATHLETICS

Chair: Dimitri Lagos, Willow Hall, WH/J-202, (213) 763-3728

**KINESIOLOGY ATHLETICS 513** **3.00 Units**  
**INTERCOLLEGIATE ATHLETICS-SWIMMING AND DIVING (UC:CSU)**  
**(RPT 3)**

Intercollegiate Athletic competitive swimming and diving team course. Instruction, demonstration and practice of fundamental and advanced swimming and diving techniques, including starts, turns, stroke technique, breathing, interval training and intercollegiate competition.

2516 lab 6:00am - 8:10am MTWThF POOL

**KINESIOLOGY ATHLETICS 515** **3.00 Units**  
**INTERCOLLEGIATE ATHLETICS-TRACK AND FIELD**  
**(UC:CSU) (RPT 3)**

This class is the Intercollegiate Athletic competitive Track and Field team course designed for members of the Intercollegiate Track & Field program. Instruction, demonstration and practice of sprinting, hurdling, throwing, jumping (vertical and horizontal), pole vaulting, middle and long distance skills will all be emphasized. Students must get permission of the Instructor to participate and must have a physical exam prior to beginning the course.

2515 lab 6:00am - 8:10am MTWThF WH/ J2

**KINESIOLOGY ATHLETICS 516** **3.00 Units**  
**INTERCOLLEGIATE ATHLETICS-VOLLEYBALL (UC:CSU) (RPT 3)**

This course provides the skills, training and allows for participation in the intercollegiate volleyball team. Students who take this class must meet eligibility requirements as requested by the conference and/or CCCAA.

2513 lab 7:00pm - 9:10pm MTWThF LG/ G100

**KINESIOLOGY ATHLETICS 552** **1.00 Unit**  
**INTERCOLLEGIATE SPORTS-CONDITIONING & SKILLS TRAINING**  
**(UC:CSU) (RPT 3)**

This course is designed for the student athlete. The following areas are emphasized: the analysis and training of athletic skills, the analysis of offensive and defensive systems, physical conditioning, strength training and aerobic conditioning.

2514lab 3:00pm - 4:15pm MTWThF LG/ G100

**KINESIOLOGY ATHLETICS 555** **1.00 Unit**  
**INTERCOLLEGIATE CROSS COUNTRY-FITNESS & SKILLS TRAINING**  
**(UC:CSU) (RPT 3)**

This course is designed for students-athletes planning on competing in intercollegiate cross country. Training will include various forms of Aerobic and Anaerobic conditioning and strength training in order to prepare for the intercollegiate season. Students are recommended to have a physical exam prior to enrolling in the class.

2517 lab 1:25pm - 2:40pm MTWThF WH/ J212

## KINESIOLOGY MAJOR

Chair: Joseph Ratcliff, Willow Hall, WH/J-202a, (213) 763-3730

**KINESIOLOGY MAJOR 100** **3.00 Units**  
**INTRODUCTION TO KINESIOLOGY (UC:CSU)**

Introduction to the discipline of Kinesiology/Physical Education; examination of the study of physical activity from the perspectives of experience, research, and professional practice. Topics include career opportunities, history, philosophy, current trends and curriculum development.

2100 8:35am - 10:00am TTh OH/ F215

**KINESIOLOGY MAJOR 101** **3.00 Units**  
**FIRST AID AND CPR (CSU)**

This course covers and expands standard emergency first aid to include situations where help is delayed, during natural disasters and major catastrophes. This course also covers the recommendations by the American Heart Association, National Safety Council and the American National Red Cross for community members to respond to non-breathing and sudden cardiac emergencies. Includes techniques for all ages along with emergency action plans, safety, and prevention of disease transmission.

2101 9:00am - 12:05pm F OH/ F215  
 3801 6:00pm - 9:10pm T OH/ F215

**KINESIOLOGY MAJOR 106** **3.00 Units**  
**SPORTS ETHICS (CSU)**

This course addresses a wide range of moral and ethical issues in sports. Topics include values, principles, racial and gender equity, coaching, commercialization, enhancing stimulants and ergogenic aids, eligibility, violence, sportsmanship and Code of Ethics in sports. Examines current and historical events, rules, laws and governing organizations.

7901 3:10 hrs/wk TBA ON LINE

Please visit the online program homepage at <http://moodle.latic.edu> prior to the start of class for directions.

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## KINESIOLOGY MAJOR 108 ANCIENT OLYMPIC GAMES 3.00 Units

This course addresses a wide range of topics that are specific to the field of the Ancient Olympic Games. Topics include Prehistory of the Games, Athletics and Education, The Olympic Games in Ancient Greece, The Events, Sport in the Hellenistic and Roman Periods. The course will examine the historical and continuing effect of the Ancient Games on the present day Olympic movement.

7902 3:10 hrs/wk TBA ON LINE  
Please visit the online program homepage at <http://moodle.latic.edu> prior to the start of class for directions.

## KINESIOLOGY MAJOR 134 ADVANCED LIFESAVING (CSU) 2.00 Units

Advisories: KIN 201-1 303-3 and or KIN 307-1.  
This class provides training in and the opportunity to get certified in the latest Red Cross Lifeguarding program. The Red Cross Lifeguarding certificate includes training in cardiopulmonary resuscitation (CPR), first aid, automated external defibrillator (AED), oxygen administration, and Lifeguard Management materials.  
2270 9:00am - 10:00am SAT POOL  
&lab 10:00am - 12:15pm SAT POOL

## LABOR STUDIES

Chair: John McDowell, Mariposa Hall - MA-005, (213) 763-7129

### LABOR STUDIES 001 US LABOR HISTORY (CSU) 3.00 Units

This course covers the often untold story of workers' struggle to improve their lives through union organizing and collective bargaining, ranging from early craft unions, the bloody battles to form industrial unions, and the rise of labor federations and public sector unions.

3251 6:00pm - 9:10pm T UFCW 324  
UFCW Local 324, 8530 Stanton Ave., Buena Park, CA 90622. Contact: Labor Center (213) 763-7129

7861 3:25 hrs/wk TBA ON LINE  
Please visit the online program homepage at <http://moodle.latic.edu> prior to the start of class for directions.

### LABOR STUDIES 003 LABOR RELATIONS LAW (CSU) 3.00 Units

This course provides a comprehensive overview of labor relations laws, primarily for the private sector, covering employee, employer and union rights and obligations, unfair labor practices, union representation elections and other Labor Board procedures.

3252 6:00pm - 9:10pm T ILWU 56  
ILWU Local 56316 West 7th Street Los Angeles, California 90731 Contact Labor Center at (213) 763-7129

7862 3:25 hrs/wk TBA ON LINE  
Please visit the online program homepage at <http://moodle.latic.edu> prior to the start of class for directions.

### LABOR STUDIES 004 LABOR IN AMERICA (UC:CSU) 3.00 Units

Examines how labor organizations and labor laws impact workers, families and American society focusing on worksite-related issues such as job security, income, workers' rights, immigration and role of unions.

0430 10:10am - 11:35am TTh AH/T E107

### LABOR STUDIES 005 GRIEVANCE AND ARBITRATION PROCEDURES (CSU) 3.00 Units

Students learn to identify, investigate, write and present grievances and arbitrations with emphasis on participant's own contract, grievance procedure and experiences.

3254 6:00pm - 9:10pm W IBEW 11  
IBEW LOCAL 11, 297 N. MARENGO AVE., PASADENA, CA 91101.  
Contact Labor Center, 213-763-7129.

### LABOR STUDIES 006 LABOR AND COMMUNITY SERVICES (CSU) 3.00 Units

This course is designed to train Union Counselors to aid members in need. Topics include: financial assistance, debt counseling, unemployment/disability, health and mental health services, child care and other important community support.  
3256 6:00pm - 9:10pm Th LA CFL  
Los Angeles County Federation of Labor, 2130 West. James M. Wood Blvd., Los Angeles, CA 90006 Contact: Labor Center (213) 763-7129

LABOR STUDIES 007 3.00 Units  
LABOR AND POLITICAL ACTION (CSU)  
Covers current political issues facing working people, labor movement, methods and techniques for lobbying, political action, member mobilization, monitoring legislation and campaign laws.  
3253 6:00pm - 9:10pm W NALC 24  
NALC Branch 24, 774 Valencia St., Los Angeles, CA 90017. Contact: Labor Center (213) 763-7129

LABOR STUDIES 009 3.00 Units  
ORGANIZING STRATEGIES AND TECHNIQUES (CSU)  
Students will learn basic skills and techniques needed to organize new workers, build and strengthen their unions and learn about relevant laws and winning strategies.  
3250 6:00pm - 9:10pm M TEAM 2010  
TEAMSTERS LOCAL 20109900 Flower Street, Bellflower, California 90706 Contact Labor Studies (213) 763-7129

LABOR STUDIES 012 3.00 Units  
BUILDING STRONG UNIONS (CSU)  
This course examines how to manage and lead a union: including strategic planning and goal setting; effective communications; time management; team building; increasing member participation; leading organizational change.

7860 3:10 hrs/wk TBA ON LINE  
Please visit the online program homepage at <http://moodle.latic.edu> prior to the start of class for directions.

LABOR STUDIES 020 3.00 Units  
WORKERS' RIGHTS (CSU)  
Basic legal rights for workers, including: wage and hour laws, overtime, leaves, workplace privacy including e-mail and computers, accommodating disabilities, including pregnancy, and combating sexual harassment and employment discrimination.

0444 8:30am - 5:20pm Sat Sun AH/T E221  
(5 Week Class - Starts 5/2/2015, Ends 5/31/2015)  
Section #0444 - Actual class dates: 5/2 & 5/3/15, 5/16 & 5/17/15, 5/30 & 5/31/15.

LABOR STUDIES 021 3.00 Units  
THE WORKING CLASS AND CINEMA (UC:CSU)  
This course will examine feature film portrayals of the working class and labor unions. Students will learn to evaluate how popular culture dramatizes the struggle for workers' rights and analyze how the movies have shaped public perception and values.  
3255 6:00pm - 9:10pm W AH/T E107

LABOR STUDIES 101 1.00 Unit  
INTRODUCTION TO UNIONS (CSU)  
Overview of union impact on wages, benefits, working conditions and public policies by industry. Surveys basic union structures, operation and governance.  
0436 8:30am - 12:30pm W LA CFL  
(13 Week Class - Starts 2/18/2015, Ends 5/20/2015)  
Section #0436 - Actual class dates: 2/18, 3/18, 4/22, & 5/20/15  
Los Angeles County Federation of Labor, 2130 West. James M. Wood Blvd., Los Angeles, CA 90006 Contact: Labor Center (213) 763-7129  
0437 2:20pm - 5:35pm T AH/T E221  
(5 Week Class - Starts 4/21/2015, Ends 5/19/2015)

0438 2:20pm - 5:45pm Th AH/T E221  
(5 Week Class - Starts 4/23/2015, Ends 5/21/2015)

LABOR STUDIES 108 1.00 Unit  
LABOR AND GLOBALIZATION (RPT 3)  
Explores how globalization affects the economy and jobs.  
0442 8:30am - 5:20pm SAT AH/T E221

# SPRING 2015 Class Schedule

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(2 Week Class - Starts 3/14/2015, Ends 3/21/2015)

## LABOR STUDIES 113 1.00 Unit UNION LEADERSHIP SKILLS (CSU)

Basic leadership skills for building influence and advancing in your union. Includes public speaking, parliamentary procedure, running effective meetings, communications and dealing with difficult people.

0435 4:30 hrs/wk TBA LA CFL

(11 Week Class - Starts 2/28/2015, Ends 5/16/2015)

Section #0435 - Actual class dates - 2/28, 3/28, 4/18, & 5/16/15

Los Angeles County Federation of Labor, 2130 West. James M. Wood Blvd., Los Angeles, CA 90006 Contact: Labor Center (213) 763-7129

## LABOR STUDIES 115 1.00 Unit WORKPLACE HEALTH AND SAFETY (CSU)

Strategies to identify and address current issues in workplace health and safety, such as stress, underling, workload, chemical hazards and ergonomic problems. Strategies covered: hazard identification, legal rights, Cal/OSHA, contract language, effective Health & Safety Committees, outside resources, and training programs.

0443 8:30am - 5:20pm SAT AH/T E221

(2 Week Class - Starts 4/18/2015, Ends 4/25/2015)

## LABOR STUDIES 126 1.00 Unit ISSUES IN LABOR ARBITRATION (CSU) (RPT 3)

This course provides an overview of the two major issues in arbitration: discipline and discharge cases, covering: just cause, absenteeism, insubordination, substance abuse, and theft/dishonesty.

0440 8:30am - 5:20pm Sat Sun AH/T E221

(1 Week Class - Starts 2/21/2015, Ends 2/22/2015)

## LABOR STUDIES 127 1.00 Unit WORKER'S COMPENSATION (CSU)

The course provides a basic understanding of how Workers Compensation works, including: types of injuries and disability benefits, medical care, rehabilitation and financial support; and procedures for filing a claim and appeals.

0441 8:30am - 5:20pm SAT AH/T E221

(2 Week Class - Starts 2/28/2015, Ends 3/7/2015)

## LAW

Chair: Freddie McClain, Aspen Hall - AH/TE-516, (213) 763-3936

## LAW 038 3.00 Units CRIMINAL LAW & PROCEDURE

This course will introduce the student to Criminal Law and Criminal Procedure. The student will learn the elements of a crime that must be proven as to the allegations of the commission of that particular crime. The student will learn the regulatory procedures, both federal and state, that must be followed in order to realize criminal culpability. The student will also examine the roles of the parties to a criminal action.

1026 10:10am - 11:35am MW CH/ K324

## LEARNING SKILLS

Chair: Christina Anketell, Mariposa Hall - MA-109e, (213) 763-3741

## LEARNING SKILLS 068 1.00 Unit STUDY SKILLS (NDA)

This course helps students develop basic study skills needed for college success. Study skills covered include but are not limited to: time management, organization skills, vocabulary building, reading, note taking, and listening strategies.

0359 12:30pm - 1:30pm MTWTh CY/ D200  
&lab 1:30pm - 2:30pm MTWTh CY/ D200

(10 Week Class - Starts 2/9/2015, Ends 4/13/2015)

0368 12:30pm - 1:30pm MTWTh CY/ D200  
&lab 1:30pm - 2:30pm MTWTh CY/ D200

(8 Week Class - Starts 4/13/2015, Ends 6/5/2015)

## LEARNING SKILLS LAB

Chair: Christina Anketell, Mariposa Hall - MA-109e, (213) 763-3741

## LEARNING SKILLS LAB 001B 1.00 Unit READING (NDA) (RPT 2)

This course is an intermediate reading course which focuses on developing reading comprehension, analysis, and interpretation skills. Students develop strategies that assist them in understanding and responding to intermediate level reading material. Students will learn reading skills including: inferencing, predicting outcome, drawing conclusions, comparing and contrasting, recognizing cause and effect, and paraphrasing. This course is the second in a sequence of three progressive modules and prepares students for academic and vocational success.

0380 lab 10:00am - 11:40am MTWTh MA 109A-1

(8 Week Class - Starts 2/9/2015, Ends 4/3/2015)

0381 lab 10:00am - 11:50am MTWTh MA 109A-1

(8 Week Class - Starts 4/13/2015, Ends 6/5/2015)

## LEARNING SKILLS LAB 001C 1.00 Unit READING (NDA) (RPT 2)

This course focuses on developing advanced reading skills including interpretation, analysis, and evaluation of fictional and non-fictional prose. Students utilize strategies to improve their understanding of the structural features of expository and narrative texts. This course is the third in a sequence of three progressive modules and prepares students for academic and vocational success.

0382 lab 12:00pm - 1:40pm MTWTh MA 109N

(8 Week Class - Starts 2/9/2015, Ends 4/3/2015)

0383 lab 12:00pm - 1:40pm MTWTh MA 109N

(8 Week Class - Starts 4/13/2015, Ends 6/5/2015)

## LEARNING SKILLS LAB 002B 1.00 Unit ENGLISH FUNDAMENTALS (NDA)

This course covers the standard English writing conventions and language structure including grammar, punctuation, capitalization, spelling mechanics, and sentence structure. Students learn how to write simple, compound, and complex sentences. Students also learn to recognize and correct sentence fragments, run-on sentences, and demonstrate proofreading skills. Students are introduced to paragraph structures and learn to identify topic sentences, supporting details, and concluding sentences.

0364 lab 8:00am - 9:40am MTWTh MA 109A-2

(8 Week Class - Starts 2/9/2015, Ends 4/3/2015)

0365 lab 12:00pm - 1:40pm MTWTh MA 109A-2

(8 Week Class - Starts 2/9/2015, Ends 4/3/2015)

0366 lab 10:00am - 11:40am MTWTh MA 109A-2

(8 Week Class - Starts 4/13/2015, Ends 6/5/2015)

0367 lab 2:00pm - 3:40pm MTWTh MA 109A-2

(8 Week Class - Starts 4/13/2015, Ends 6/5/2015)

1280 lab 6:00pm - 7:40pm MTWTh MA 109A-2

(8 Week Class - Starts 2/9/2015, Ends 4/3/2015)

## LEARNING SKILLS LAB 002C 1.00 Unit ENGLISH FUNDAMENTALS (NDA)

This course focuses on the fundamentals of academic writing. It reinforces basic skills such as the correct use of punctuation, spelling, and writing simple, compound, and complex sentence structures. Students incorporate these skills to develop and write paragraph responses that have a topic sentences, supporting details, and conclusions. Students are also introduced to Basic MLA formatting and work on Moodle activities and assignments.

0374 lab 10:00am - 11:40am MTWTh MA 109A-2

(8 Week Class - Starts 2/9/2015, Ends 4/3/2015)

0375 lab 2:00pm - 3:40pm MTWTh MA 109A-2

(8 Week Class - Starts 2/9/2015, Ends 4/3/2015)

0376 lab 8:00am - 9:40am MTWTh MA 109A-2

(8 Week Class - Starts 4/13/2015, Ends 6/5/2015)



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**0378 lab 12:00pm - 1:40pm MTWTh** **MA 109A-2**  
(8 Week Class - Starts 4/13/2015, Ends 6/5/2015)

**1281 lab 6:00pm - 7:40pm MTWTh** **MA 109A-2**  
(8 Week Class - Starts 4/13/2015, Ends 6/7/2015)

**LEARNING SKILLS LAB 010B** **1.00 Unit**  
**MATH FUNDAMENTALS B (NDA)**

This is a lab course which focuses on the skills needed to prepare students for academic and vocational success by teaching the ability to compute, understand, and apply the relationship between fractions, decimals, ratios, and percentages. Students will add, subtract, multiply, and divide related problems and utilize effective learning strategies in order to find solutions to word problems and real world situations. This course is the second in a series of three progressive Learning Skills courses offering basic math to advanced math curriculum. This class provides individualized and computer-assisted instruction.

**0350 lab 8:00am - 9:40am MTWTh** **MA 109A-1**  
(8 Week Class - Starts 2/9/2015, Ends 4/3/2015)

**0351 lab 1:00pm - 2:40pm MTWTh** **MA 109A-1**  
(9 Week Class - Starts 4/13/2015, Ends 6/7/2015)

**0384 lab 10:00am - 10:40am MTWTh** **CY/ D204**

**0390 lab 12:00pm - 1:40pm MTWTh** **MA 109A-1**  
(8 Week Class - Starts 2/9/2015, Ends 4/3/2015)

**0391 lab 2:45pm - 4:30pm MTWTh** **CY/ D204**  
(8 Week Class - Starts 2/9/2015, Ends 4/3/2015)

**0392 lab 2:00pm - 3:40pm MTWTh** **MA 109A-1**  
(8 Week Class - Starts 4/13/2015, Ends 6/5/2015)

**0393 lab 10:00am - 11:40am MTWTh** **CY/ D204**  
(8 Week Class - Starts 4/13/2015, Ends 6/5/2015)

**1282 lab 6:00pm - 7:40pm MTWTh** **MA 109A-1**  
(8 Week Class - Starts 2/9/2015, Ends 4/3/2015)

**LEARNING SKILLS LAB 010C** **1.00 Unit**  
**MATH FUNDAMENTAL C (NDA)**

This basic math fundamental course focuses on the learning skills needed to succeed in pre-algebra up to beginning algebra, and is designed to help students develop symbolic reasoning and calculations with symbols that are central in algebra and geometry. This class provides individualized and computer-assisted instruction. The course is repeatable up to three times to enhance skills and proficiencies. This course is the third in a sequence of three progressive modules and prepares students for academic and vocational success.

**0394 lab 10:00am - 11:40am MTWTh** **MA 109A-1**  
(8 Week Class - Starts 2/9/2015, Ends 4/3/2015)

**0395 lab 2:00pm - 3:40pm MTWTh** **MA 109A-1**  
(8 Week Class - Starts 2/9/2015, Ends 4/3/2015)

**0396 lab 8:00am - 9:40am MTWTh** **MA 109A-1**  
(8 Week Class - Starts 4/13/2015, Ends 6/5/2015)

**0397 lab 12:00pm - 1:40pm MTWTh** **MA 109A-1**  
(8 Week Class - Starts 4/13/2015, Ends 6/5/2015)

**0398 lab 2:45pm - 4:25pm MTWTh** **MA 109A-1**  
(8 Week Class - Starts 4/13/2015, Ends 6/5/2015)

**1283 lab 6:00pm - 7:40pm MTWTh** **MA 109A-1**  
(58 Week Class - Starts 4/3/2014, Ends 6/5/2015)

## LIBRARY SCIENCE

Chair: Judith Samuel, Mariposa Hall, MA-205b, (213) 763- 3959

**LIBRARY SCIENCE 101** **1.00 Unit**  
**LIBRARY RESEARCH METHODS (CSU)**

This is an introductory course designed to teach students basic library research methods. This course will provide students with a broad knowledge of the use of libraries utilizing both print and electronic information sources. Information search techniques and specialized information tools are examined with an emphasis on finding research resources, writing research papers, citation styles, and plagiarism.  
0952 1:10pm - 2:15pm W CH/ K305

## MACHINE SHOP - CNC

Chair: Jess Guerra, Oak Hall - OH/F-106A, (213) 763-3901

**MACHINE SHOP - CNC 112A** **3.00 Units**  
**TECHNOLOGY AND APPLICATION OF MACHINING IA**

MSCNC 112A (Technology and Application of Machining IA) is a lab course that will engage students with machine shop specific topics including; shop safety, speeds, feeds, set-up, operation and technology of basic machine tools. Band saws, drill presses, lathes, mills, pedestal grinders, power saws as well as computer numerical control (CNC) machine tools will be introduced and used by the students. Along with the machine tools, students will be expected to identify, manipulate and properly use and read basic hand tools and precision measuring instruments.

**0629 lab 6:00pm - 10:10pm TTh** **OH/F 151A**

**MACHINE SHOP - CNC 121** **2.00 Units**  
**PRINCIPLES OF MACHINE TOOLS II (CSU)**

MSCNC 121 (Principles of Machine Tools II) is a course that will engage students with Machine Shop specific topics including; safety practices, Principles of lathes, milling machines, attachments, and special lathe and milling operations. Introduction to other special machinery and basic CNC programming will also be covered.

**0615 7:00am - 8:25am Th** **OH/F 166E**  
**& lab 7:00am - 8:25am T** **OH/F 166E**

**MACHINE SHOP - CNC 122A** **3.00 Units**  
**TECHNOLOGY AND APPLICATION OF MACHINING IIA (CSU)**

MSCNC 122A (Technology and Application of Machining IIA) is a course that will engage students with Machine Shop specific topics, such as implementation of safety, speeds, feeds, form tools, setups including related attachments and accessories for lathe and milling machine operations. Inspection techniques and CNC machine set-up and operations will also be covered.

**0616 lab 7:00am - 10:10am MWF** **OH/ F166**

**MACHINE SHOP - CNC 122B** **1.00 Unit**  
**TECHNOLOGY AND APPLICATION OF MACHINING IIB**

MSCNC 122B (Technology and Application of Machining IIB) is a course that will engage students with Machine Shop specific topics related to computer aided design (CAD). Topics will include geometric dimensioning and tolerancing (GD&T), section views, auxiliary views and advanced modeling and assembling techniques.

**0617 lab 10:10am - 11:35am TTh** **OH/F 151A**

**MACHINE SHOP - CNC 124** **3.00 Units**  
**PRINT INTERPRETATION AND INSPECTION (BLUEPRINT II) (CSU)**

MSCNC 124 (Print Interpretation and Inspection (Blueprint II)) is a course that will engage students with Machine Shop specific topics regarding; advanced interpretation of machine shop-CNC related drawings with introduction to inspection, geometric tolerancing, and SPC.

**0618 8:35am - 10:10am TTh** **OH/F 166E**

**MACHINE SHOP - CNC 125** **3.00 Units**  
**INTERMEDIATE APPLIED MATHEMATICAL CALCULATIONS (CSU)**

MSCNC 125 (Intermediate Applied Mathematical Calculations) is a class that will engage students with Machine Shop specific topics such as; algebraic formulas related to good machining practices and geometric relationships and formulas are used to get correct cutting positions and programming code.

**0619 10:10am - 11:35am MW** **OH/F 166E**

**MACHINE SHOP - CNC 141** **2.00 Units**  
**PRINCIPLES OF MACHINE TOOLS (CNC) IV (CSU)**

MSCNC 141 (Principles of Machine Tools (CNC) IV) is a course that will engage students with Machine Shop specific topics: Advanced theory related to safety, programming, set-up and operation of CNC machine tools. Introduction to specialized

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machining for intricate parts and/or tool and die and/or mold making will also be covered.

0623	8:35am - 10:10am	T		OH/F 164C
& lab	8:35am - 10:10am	Th		OH/ F164

## MACHINE SHOP - CNC 142A 3.00 Units

### TECHNOLOGY AND APPLICATION OF MACHINING IV A

MSCNC 142A (Technology and Application of Machining IV A) is a course that will engage students with Machine Shop specific topics: advanced safety, application, programming, set-up and operation of CNC lathes and milling machines. Set-up and operation of precision machine tools for intricate parts and/or tool and die and/or plastic mold fabrication will also be covered.

0624 lab	7:00am - 10:10am	MWF		OH/ F164
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## MACHINE SHOP - CNC 142B 1.00 Unit

### TECHNOLOGY AND APPLICATION OF MACHINING IV B

MSCNC 142B (Technology and Application of Machining IV B) is a course that will engage students with Machine Shop specific topics: shop safety, advanced manufacturing techniques, CNC operations, advanced inspection techniques and manufacturing economy.

0625	7:00am - 8:25am	TTh	S.T. SHIBUYA	OH/ F164
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## MACHINE SHOP - CNC 161A 3.00 Units

### COMPUTER ASSISTED MACHINE PROGRAMMING (CAM) IA (CSU)

MSCNC 161A (Computer Assisted Machining Programming (CAM) IA) is a course that will engage students with Machine Shop specific topics: application of Computer Aided Manufacturing (CAM) systems for development of computer numerical control (CNC) programs for complex two and three axis machined parts. Use of 3-D graphics and part verification software systems will also be explored.

0626	10:10am - 11:35am	TTh		OH/F 151A
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## MACHINE SHOP - CNC 161B 3.00 Units

### COMPUTER ASSISTED MACHINE PROGRAMMING (CAM) IB

MSCNC 161B (Computer Assisted Machine Programming (CAM) IB) is a course that will engage students with Machine Shop specific topics: advanced topics of computer aided design (CAD), computer aided manufacturing (CAM) and computer numerical control (CNC) and the integration of these three technologies in modern manufacturing.

0627 lab	10:10am - 11:35am	MW		OH/F 151A
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## MANAGEMENT

Dean: Nicole Albo-Lopez, Aspen Hall - AH/TE-511, (213) 763-7025

### MANAGEMENT 002 3.00 Units

#### ORGANIZATION AND MANAGEMENT THEORY (CSU)

As part of the study of industrial organization, this course covers such topics as financing enterprise, building the internal organization, and plant layout. The study of industrial operations includes production planning and control, inventory and materials handling, quality control, and methods analysis and work simplification. In addition, this course includes a consideration of the principles of industrial relations and personnel management, office management, and internal coordination and environmental issues.

0141	2:00pm - 3:25pm	MW		CH/ K322
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### MANAGEMENT 013 3.00 Units

#### SMALL BUSINESS ENTREPRENEURSHIP (CSU)

This course will present a systematic approach to successful small business operation. The course covers personnel evaluation, pre-ownership evaluation, management and leadership, financing, location, taxation, records, employees, purchasing, advertising, sales, and credit. The course emphasizes the development of a business plan.

0142	10:20am - 11:50am	MW		CH/ K322
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### MANAGEMENT 033 3.00 Units

#### PERSONNEL MANAGEMENT (CSU)

This course is concerned with the development of the personnel function, personnel tools and records, and the use of psychology in personnel administration. Training and education of employees, incentives, special problems of personnel administration and management, employee representation, and social controls are included as topics of discussion.

0250	1:00pm - 2:25pm	MW	G.D. SONNIER	CH/ K210
0251	8:35am - 10:00am	TTh	A.M. WILSON-AUS	CH/ K208

## MARKETING

Dean: Nicole Albo-Lopez, Aspen Hall - AH/TE-511, (213) 763-7025

### MARKETING 001 3.00 Units

#### PRINCIPLES OF SELLING (CSU)

This course includes the development of the fundamental principles of wholesale and specialty selling, including such phrases as developing the sales plan, securing prospects, effective goods and service presentation, product analysis, closing the sale, and service after the sale.

0189	10:20am - 11:50am	TTh		CH/ K322
0190	1:00pm - 2:25pm	MW		CH/ K208

### MARKETING 011 3.00 Units

#### FUNDAMENTALS OF ADVERTISING (CSU)

This course will provide students the introduction to the role of advertising in our economy. It gives a comprehensive overview of the planning and managing of advertising. The course also covers how the major forms of media, such as television, radio, newspapers, magazines, the Internet are integrated into the advertising campaign.

0140	12:00pm - 1:25pm	TTh		CH/ K322
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### MARKETING 021 3.00 Units

#### PRINCIPLES OF MARKETING (CSU)

This course will provide students a managerial approach to marketing principles. It covers marketing research, sales forecasting, sales cost analysis, domestic and international markets, customer motivation, production analysis, consumer and industrial markets, retailing and wholesaling, distribution channels, sales promotion and advertising, personal selling, pricing policies, market legislation and environment factors which impact marketing.

0191	12:00pm - 1:25pm	MW		CH/ K322
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## MATHEMATICS

Chair: Tayebbeh Meftagh, Aspen Hall - AH/TE-506, (213) 763-7319

### MATHEMATICS 105 3.00 Units

#### ARITHMETIC (NDA)

Prerequisite: Mathematics 101; Corequisite: Mathematics 100.

This course reviews fundamentals of arithmetic in college and business. Topics include basic operations with fractions, decimals, percent, and measurement. The course emphasizes problem solving techniques that are useful in practical situations.

1905	8:35am - 10:00am	MW		AH/T E412
1906	1:20pm - 2:45pm	TTh		AH/T E408
1909	8:35am - 10:00am	TTh		AH/T E408
1911	11:45am - 1:10pm	TTh		AH/T E310
1912	10:10am - 11:35am	MW		AH/T E415
1913	10:10am - 11:35am	TTh		AH/T E412
1915	11:45am - 1:10pm	MW		AH/T E310
4151	6:00pm - 9:10pm	T		AH/T E408
4152	6:00pm - 9:10pm	M		AH/T E308
4154	6:00pm - 9:10pm	W		AH/T E410

### MATHEMATICS 110 5.00 Units

#### INTRODUCTION TO ALGEBRAIC CONCEPTS (NDA)

This course discusses abstract ideas necessary for understanding algebra and reviews selected topics in arithmetic relevant to algebra. Students are introduced to fundamental notions of algebra including signed numbers, variables, simple equations, proportional reasoning, applications, and modeling. This course also includes instruction in mathematics study skills.

1930	2:00pm - 3:10pm	MTWTh		AH/T E410
1931	11:45am - 12:55pm	MTWTh		AH/T E410

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**MATHEMATICS 112** **3.00 Units**  
**PRE-ALGEBRA (NDA)**  
 Prerequisite: Mathematics 105.  
 This course prepares students for their first course in Algebra. Topics include brief review of arithmetic, operations with signed numbers, variables, expressions, linear equations and word problems.

1920	7:00am - 8:25am	TTh	AH/T E408
1922	8:35am - 10:00am	MW	AH/T E408
1924	10:10am - 11:35am	MW	AH/T E412
1926	10:10am - 11:35am	TTh	AH/T E415
1927	11:45am - 1:10pm	MW	AH/T E408
1928	8:35am - 10:00am	TTh	AH/T E412
1929	11:45am - 1:10pm	TTh	AH/T E408
<b>4161</b>	<b>6:00pm - 9:10pm</b>	<b>Th</b>	<b>AH/T E412</b>
<b>4162</b>	<b>6:00pm - 9:10pm</b>	<b>M</b>	<b>AH/T E410</b>
<b>4163</b>	<b>6:00pm - 9:10pm</b>	<b>T</b>	<b>AH/T E415</b>
<b>4164</b>	<b>6:00pm - 9:10pm</b>	<b>W</b>	<b>AH/T E308</b>
<b>7917</b>	<b>3:15 hrs/wk</b>	<b>TBA</b>	<b>ON LINE</b>

Please visit the online program homepage at <http://moodle.lattc.edu> prior to the start of class for directions.

**MATHEMATICS 113** **3.00 Units**  
**ELEMENTARY ALGEBRA A**  
 Prerequisite: Mathematics 112.  
 Topics include review of signed numbers, variables, the order of operations; addition and subtraction of polynomials; solve and graph linear equations, solve inequalities; solve systems of equations.

1932	10:10am - 11:35am	TTh	AH/T E410
1933	10:10am - 11:35am	MW	AH/T E306
<b>4170</b>	<b>6:00pm - 9:10pm</b>	<b>Th</b>	<b>AH/T E415</b>

**MATHEMATICS 114** **3.00 Units**  
**ELEMENTARY ALGEBRA B**  
 Prerequisite: Mathematics 113.  
 The course covers multiplication and division of polynomials, factoring, rational expressions, radicals, quadratic, rational, and radical equations, and application problems. This course is the second half of Math 115. Math 113 and 114 together are equivalent to Math 115. Credit is allowed in only one of Math 115 or the Math 113/114 combination. Concurrent enrollment in Math 113 and 114 is not permitted.

1936	10:10am - 11:35am	TTh	AH/T E306
1937	8:35am - 10:00am	TTh	AH/T E306
<b>4176</b>	<b>6:00pm - 9:10pm</b>	<b>T</b>	<b>AH/T E412</b>

**MATHEMATICS 115** **5.00 Units**  
**ELEMENTARY ALGEBRA**  
 Prerequisite: Mathematics 112.  
 Topics include signed numbers, variables, the order of operations; addition, subtraction, multiplication, and division of signed numbers and polynomials. Solve linear equations, inequalities, factoring, graphs. Solve word problems, systems of equations, rational equations, radicals and quadratic equations.

1940	7:00am - 8:10am	MTWTh	AH/T E413
1942	8:35am - 9:45am	MTWTh	AH/T E310
1946	11:45am - 12:55pm	MTWTh	AH/T E412
1947	10:10am - 11:20am	MTWTh	AH/T E221

This is a paired class and must be taken with Math 125, section 1964, which meets MTWTh, from 11:30 a.m. - 12:40 p.m. To add this class, please contact the instructor, Parsel Maheta-Wells at Shaklou P @ lattc.edu or (213) 763-7314. ENROLLMENT BY ADD PERMIT ONLY.

1948	8:00am - 1:20pm	SAT	AH/T E408
1949	2:00pm - 4:30pm	MW	AH/T E306
1950	2:00pm - 4:30pm	TTh	AH/T E413
<b>4180</b>	<b>6:00pm - 8:35pm</b>	<b>MW</b>	<b>AH/T E408</b>
<b>4181</b>	<b>6:00pm - 8:35pm</b>	<b>TTh</b>	<b>AH/T E413</b>

6530 8:30am - 10:55am MTWTh AH/T E413  
**(8 Week Class - Starts 2/9/2015, Ends 4/2/2015)**  
 Section #6530 (Math 115) & #6532 (Math 125) are back-to-back 8-week classes designed for those students who want to complete their Math 115 & 125 in one semester.

6531 7:00am - 9:30am MTWTh AH/T E415  
**(8 Week Class - Starts 2/9/2015, Ends 4/4/2015)**

Section #6531 (Math 115) & #6534 (Math 125) are back-to-back 8-week classes designed for those students who want to complete their Math 115 & 125 in one semester.

7920 5:30 hrs/wk TBA ON LINE  
 Please visit the online program homepage at <http://moodle.lattc.edu> prior to the start of class for directions.

**MATHEMATICS 121** **3.00 Units**  
**ESSENTIALS OF PLANE GEOMETRY**  
 Prerequisite: Mathematics 115.  
 This course is an introduction to Euclidean geometry and it is equivalent to one year of high school geometry. This course reviews the basic geometric construction, definitions, postulates, theorems and their proofs for triangles, parallel lines and circles.

1957 10:10am - 11:35am MW AH/T E410

**MATHEMATICS 125** **5.00 Units**  
**INTERMEDIATE ALGEBRA**  
 Prerequisite: Mathematics 114 or Mathematics 115.  
 This course is a study of the properties of real numbers, laws of exponents, radicals, equations & inequalities in linear and quadratic form, system of equations, matrices, graphing in two variables, rational expressions & equations, complex numbers, conic sections & their graphs, exponential and logarithmic functions.

1960	7:00am - 8:10am	MTWTh	AH/T E410
1961	8:35am - 9:45am	MTWTh	AH/T E415
1962	10:10am - 11:20am	MTWTh	AH/T E308
1963	11:45am - 12:55pm	MTWTh	AH/T E306
1964	11:30am - 12:40pm	MTWTh	AH/T E221

This is a paired class and must be taken with Math 115, section 1947 which meets MTWTh from 10:10 - 11:40. ENROLLMENT BY ADD PERMIT ONLY.

1965	10:10am - 11:20am	MTWTh	AH/T E408
<b>1966</b>	<b>4:00pm - 5:10pm</b>	<b>MTWTh</b>	<b>AH/T E310</b>
<b>4190</b>	<b>6:00pm - 8:35pm</b>	<b>MW</b>	<b>AH/T E310</b>
<b>4191</b>	<b>6:00pm - 8:35pm</b>	<b>TTh</b>	<b>AH/T E306</b>

6532 8:30am - 10:55am MTWTh AH/T E413  
**(9 Week Class - Starts 4/13/2015, Ends 6/7/2015)**  
 Section #6530 (Math 115) & #6532 (Math 125) are back-to-back 8-week classes designed for those students who want to complete their Math 115 & 125 in one semester.

6534 7:00am - 9:30am MTWTh AH/T E415  
**(9 Week Class - Starts 4/13/2015, Ends 6/7/2015)**  
 Section #6531 (Math 115) & #6534 (Math 125) are back-to-back 8-week classes designed for those students who want to complete their Math 115 & 125 in one semester.

7921 5:30 hrs/wk TBA ON LINE  
 Please visit the online program homepage at <http://moodle.lattc.edu> prior to the start of class for directions.

**Math 125 is also offered through ITV. Please visit [www.lamission.edu/itv](http://www.lamission.edu/itv). Telephone: (818) 833-3594 or (800) 917-9277**

**MATHEMATICS 227** **4.00 Units**  
**STATISTICS (UC:CSU)**  
 Prerequisite: Mathematics 125.  
 Discusses basic concepts and techniques of descriptive and inferential statistics including sampling, probability, statistical distributions, tables and graphs, central limit theory, hypothesis testing, confidence interval estimation, correlation and regression. Most analysis will be done using Excel spreadsheet program.

1977	8:30am - 12:50pm	F	AH/T E410
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**(15 Week Class - Starts 2/20/2015, Ends 6/7/2015)**

1978	11:30am - 1:40pm	MW	AH/T E413
1979	11:45am - 1:55pm	TTh	AH/T E415
<b>4213</b>	<b>6:00pm - 8:10pm</b>	<b>MW</b>	<b>AH/T E413</b>
<b>4214</b>	<b>6:00pm - 8:10pm</b>	<b>TTh</b>	<b>AH/T E308</b>

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7922 4:20 hrs/wk TBA ON LINE  
Please visit the online program homepage at <http://moodle.latic.edu> prior to the start of class for directions.

**Math 227** is also offered through ITV. Please visit [www.lamission.edu/itv](http://www.lamission.edu/itv). Telephone: (818) 833-3594 or (800) 917-9277

**MATHEMATICS 236 5.00 Units**  
**CALCULUS FOR BUSINESS AND SOCIAL SCIENCE (UC:CSU)**

Prerequisite: Mathematics 125.  
This course is an introduction to one and two variable calculus as applied to business, economics, and social sciences, included are applications of partial derivatives and multiple integrals to extreme problems.

1981 10:10am - 11:20am MTWTh AH/T E310

**MATHEMATICS 240 3.00 Units**  
**TRIGONOMETRY (CSU)**

Prerequisite: Mathematics 125; Mathematics 121.  
Topics include trigonometric functions, circular functions; trigonometric equations; trigonometric identities; solutions of right and oblique triangles; inverse trigonometric functions, graphing; complex numbers and DeMoivre's Theorem; polar coordinates; vectors and applications.

1982 7:00am - 8:25am MW AH/T E310

**MATHEMATICS 245 3.00 Units**  
**COLLEGE ALGEBRA (UC:CSU)**

Prerequisite: Mathematics 125.  
Upon successful completion of this course, students will reinforce the concept of functions and their graphs important in later courses of mathematics, science, business, nursing, or computer science. Polynomial, rational, radical, exponential, and logarithmic equations, both linear and nonlinear systems, sequences and series, and basics of probability are covered to allow students to solve a wide variety of real-life applications.

1985 11:45am - 1:10pm TTh AH/T E413

1996 10:00am - 1:10pm F AH/T E310

**MATHEMATICS 260 5.00 Units**  
**PRECALCULUS (UC:CSU)**

Prerequisite: Mathematics 240.  
After a brief review of algebra with real and complex numbers, this course will cover the following topics: polynomial and rational functions with informal limits; exponential, logarithmic and trigonometric functions; systems of equations and matrices; sequences, series and the binomial theorem; conics and polar coordinates.

1990 11:45am - 12:55pm MTWTh AH/T E308

**MATHEMATICS 265 5.00 Units**  
**CALCULUS WITH ANALYTIC GEOMETRY I (UC:CSU)**

Prerequisite: Mathematics 260.  
Introduction to real analysis with analytic geometry; functions, limits and continuity; derivatives and integrals of algebraic and transcendental functions; applications of the derivative to graphing and optimization; the Fundamental Theorem of Calculus and applications of the definite integral.

1992 8:35am - 9:45am MTWTh AH/T E410

**MATHEMATICS 266 5.00 Units**  
**CALCULUS WITH ANALYTIC GEOMETRY II (UC:CSU)**

Prerequisite: Mathematics 265.  
This course includes differentiation and integration of trigonometric, exponential, logarithmic functions, and hyperbolic functions; conic sections with translations and rotations, techniques of integration; improper integrals, infinite series and polar coordinates.

1993 8:35am - 9:45am MTWTh AH/T E308

**MATHEMATICS 267 5.00 Units**  
**CALCULUS WITH ANALYTIC GEOMETRY III (UC:CSU)**

Prerequisite: Mathematics 266.  
This course reviews operations with vectors in two and three-dimensional spaces as well as vector-valued functions with their applications. Topics include partial

derivatives, Lagrange multiplier, Line integrals, multiple integrals in polar, cylindrical and spherical coordinates, Green's theorem, Surface integrals, Divergence and Stokes theorems.

1994 7:00am - 8:10am MTWTh AH/T E412

**MATHEMATICS 275 3.00 Units**  
**ORDINARY DIFFERENTIAL EQUATIONS (UC:CSU)**

Prerequisite: Mathematics 267.  
Topics include ordinary differential equations with concentration on first and higher-order, homogeneous and non-homogeneous linear differential equations with or without initial-value conditions; system of linear first-order differential equations; Cauchy-Euler equation; series solutions; Laplace transform; numerical solutions.

1995 11:45am - 1:10pm MW AH/T E415

## MICROBIOLOGY

Chair: Miguel Moreno, Cedar Hall - CH/K-405, (213) 763-7322

**MICROBIOLOGY 001 5.00 Units**  
**INTRODUCTORY MICROBIOLOGY (UC:CSU)**

Prerequisite: Biology 3; Biology 6; Chemistry 51; Chemistry 101.  
This course covers fundamental principles of microbiology and standard laboratory techniques. It includes systematics, morphology, physiology, genetics, ecology and evolution of microorganisms. Medical applications include concepts in microbial growth and control, epidemiology, immunology and disease. Industrial and environmental applications cover use of microorganisms'€™ diverse metabolic abilities in the production of food, chemicals and medicine, including role in biotechnology and environment.

1645 8:00am - 9:30am MW TBA  
& lab 9:40am - 12:50pm MW CH/ K408

**MICROBIOLOGY 020 4.00 Units**  
**GENERAL MICROBIOLOGY (UC:CSU)**

Prerequisite: Biology 3; Biology 6; Chemistry 51; Chemistry 101.  
This is a comprehensive course for nursing and allied health majors. It covers fundamental principles and laboratory techniques related to systematics, morphology, physiology, genetics, ecology and evolution of microorganisms. Medical applications include basic concepts of microbial growth and control, epidemiology, immune response and a survey of important human diseases.

1648 8:30am - 10:00am TTh TBA  
& lab 10:10am - 11:40am TTh CH/ K408  
1649 10:20am - 11:50am TTh TBA  
&lab 12:00pm - 1:30pm TTh CH/ K408  
1660 3:10pm - 4:40pm MW TBA  
&lab 4:50pm - 6:20pm MW CH/ K408  
**4060 6:30pm - 9:40pm M CH/ K408**  
**&lab 6:30pm - 9:40pm W CH/ K408**

## MICROCOMPUTER TECHNICIAN

Chair: Eric Chavez, Cesar Hall - CH/K-325, (213) 763-3782

**MICROCOMPUTER TECHNICIAN 077 3.00 Units**  
**CISCO NETWORKING ACADEMY - SEMESTER I**

The first in a four course sequence, that qualifies the student to take the CISCO CCNA Certification Test; and covers Fundamentals of Computer Internet-working, Safety Technology, Protocols, Network Theory and Standards, Cabling, Electrical Considerations, OSI Models, IP Addressing and basic networking Hardware.

0521 7:00am - 9:05am T CH/ K302  
&lab 7:00am - 10:10am Th CH/ K302  
**3307 6:00pm - 8:05pm T CH/ K302**  
**&lab 6:00pm - 9:10pm Th CH/ K302**

**MICROCOMPUTER TECHNICIAN 078 3.00 Units**  
**CISCO NETWORKING ACADEMY - SEMESTER II**

Prerequisite: Microcomputer Technician 77.  
This is the second course in a four course sequence that qualifies the student to take the CISCO CCNA Certification Test; and covers router fundamentals, beginning router setup and configuration, routed and routing protocols, WAN fundamentals, network troubleshooting and network management.

0524 7:00am - 9:05am F CH/ K302  
&lab 9:25am - 12:35pm F CH/ K302



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## MICROCOMPUTER TECHNICIAN 079 3.00 Units CISCO NETWORKING ACADEMY - SEMESTER III

Prerequisite: Microcomputer Technician 78.

This is the third course in a four course sequence that qualifies the student to take the CISCO CERTIFICATION TEST; and covers advanced router set-up and configurations, LAN switching theory and VLANs, advanced LAN and LAN switched design, Novell IPX, and Threaded case studies.

0527 7:00am - 9:05am W CH/ K302  
& lab 9:30am - 12:40pm W CH/ K302

## MICROCOMPUTER TECHNICIAN 080 3.00 Units CISCO NETWORKING ACADEMY - SEMESTER IV

Prerequisite: Microcomputer Technician 79.

This is the fourth course in a four course sequence that qualifies the student to take the CISCO CCNA Certification Exam; and covers advanced WAN theory and design; WAN Technology, PPP, Frame Relay, ISDN; Application of National SCANS skills in managing a network and network threaded case studies.

0529 7:00am - 9:05am W CH/ K302  
& lab 9:30am - 12:40pm W CH/ K302

## MICROCOMPUTER TECHNICIAN 160 2.00 Units IT ESSENTIALS APPLICATION SOFTWARE FUNDAMENTALS (CSU)

Instruction and demonstrations are provided on the application, set-up, configuration and operation of a wide range of computer programs.

0531 7:00am - 8:00am W CH/ K301  
& lab 8:00am - 11:10am W CH/ K301

## MICROCOMPUTER TECHNICIAN 162 4.00 Units IT ESSENTIALS NETWORKING PERSONAL COMPUTERS

The course will assist students in designing, selecting, configuring and installing local area networks. System administration and troubleshooting is also covered in detail.

0533 7:00am - 9:05am T CH/ K301  
& lab 9:05am - 12:20pm T CH/ K301  
& lab 11:30am - 2:45pm W CH/ K301

## MICROCOMPUTER TECHNICIAN 164 5.00 Units IT ESSENTIALS MICROCOMPUTER THEORY AND SERVICING

The course provides servicing techniques for microcomputers and their related peripherals. Hands-on instruction is provided in diagnosing a range of microcomputers malfunctions.

0535 10:10am - 1:20pm M CH/ K301  
& 7:00am - 1:30pm Th CH/ K301

## MICROCOMPUTER TECHNICIAN 165 3.00 Units LINUX SURVIVAL COURSE (UC:CSU)

This course provides an introduction to the world of Linux (considered the success story of Open Source Software development). Linux and Open Source fundamentals will be taught as well as configuration and basic troubleshooting.

3364 6:00pm - 8:05pm T CH/ K302  
& lab 6:00pm - 9:10pm Th CH/ K302

## MOTORCYCLE REPAIR MECHANIC

Chair: Jess Guerra, Oak Hall - OH/F-106A, (213) 763-3901

## MOTORCYCLE REPAIR MECHANIC 210 4.00 Units INTERNAL COMBUSTION ENGINE THEORY AND REPAIR

A study is made of engine types, construction operating principles and performance. Shop practice is given on engine disassembly and inspection, valve reconditioning, bearing replacement, piston and ring service and engine reassembly.

7497 7:30am - 8:30am SAT OH/ F124  
& lab 8:30am - 1:20pm SAT OH/ F124

## MOTORCYCLE REPAIR MECHANIC 212 4.00 Units MOTORCYCLE SERVICE AND TUNE-UP THEORY AND REPAIR

Lecture and laboratory experiences are given on routine motorcycle service and tune-up as well as trouble-shooting and repairing engine performance problems.

4500 6:30pm - 7:30pm TTh OH/ F124  
& lab 7:30pm - 9:40pm TTh OH/ F124

## MUSIC

Chair: John Glavan, Aspen Hall - AH/TE-520, (213) 763-3931

## MUSIC 101 3.00 Units FUNDAMENTALS OF MUSIC (UC:CSU)

This course provides an introduction to Western music theory and composition. The goal is to increase students' enjoyment and appreciation of music by understanding musical terminology, theory, and techniques. By the end of the course, students will be able to write a short musical composition.

1443 8:35am - 10:00am MW OH/ F229  
1444 10:10am - 11:35am MW OH/ F229  
1445 10:10am - 11:35am TTh OH/ F229  
3858 6:00pm - 9:10pm W OH/ F229

## MUSIC 141 3.00 Units JAZZ APPRECIATION (UC:CSU)

A survey of twentieth century ragtime, blues, New Orleans and Chicago jazz, stride piano, swing, bebop, cool jazz, hard bop, modal jazz, third stream, avant-garde and free jazz, fusion, and experimental jazz styles. Emphasis is placed on the music and personalities of those artists who made original contributions and whose work influenced that of other important jazz figures.

1446 8:35am - 11:45am SAT J.M. CHEESMAN MH 308

## NURSING, REGISTERED

Chair: Rosalie Villora, Magnolia Hall, MH-165, (213) 763-7180

## NURSING, REGISTERED 121 3.00 Units FUNDAMENTAL OF NURSING (CSU)

This course is an introduction to the philosophy of nursing, nursing history, Maslow's Hierarchy of needs, and legal and ethical issues in nursing. Concurrent with the theory, the nursing student will have basic client care experience in the skills lab and hospital setting.

7724 8:00am - 10:05am Th MH 207  
& lab 7:00am - 1:30pm TW H OSP

(8 Week Class - Starts 2/9/2015, Ends 4/3/2015)

7725 8:00am - 10:05am Th MH 207  
& lab 7:00am - 1:30pm TW H OSP

(8 Week Class - Starts 2/9/2015, Ends 4/3/2015)

7726 8:00am - 10:05am Th MH 207  
& lab 1:00pm - 7:30pm WTh HOSP

(8 Week Class - Starts 2/9/2015, Ends 4/3/2015)

9530 8:00am - 10:05am Th MH 207  
& lab 7:00am - 1:30pm TW HOSP

(8 Week Class - Starts 2/9/2015, Ends 4/3/2015)

## NURSING, REGISTERED 122 3.00 Units INTRODUCTION TO MEDICAL SURGICAL NURSING (CSU)

Prerequisites: REGNRSG 121 & 123.

This course is designed to introduce the student to the concept of medical surgical nursing using Maslow's Hierarchy of Needs as a framework.

7721 8:00am - 10:05am Th MH 207  
& lab 1:00pm - 7:30pm WTh B. SOLES MH 207

(8 Week Class - Starts 4/13/2015, Ends 6/5/2015)

7728 8:00am - 10:05am Th MH 207  
& lab 7:00am - 1:30pm TW HOSP

(8 Week Class - Starts 4/13/2015, Ends 6/5/2015)

7729 8:00am - 10:05am Th MH 207  
& lab 7:00am - 1:05pm TW HOSP

(8 Week Class - Starts 4/13/2015, Ends 6/2/2015)

9531 8:00am - 10:05am Th MH 207  
& lab 7:00am - 1:30pm TW HOSP

(8 Week Class - Starts 4/13/2015, Ends 6/5/2015)

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**NURSING, REGISTERED 123** **2.00 Units**  
**NURSING PROCESS**  
 This course is designed to acquaint the students with the components of Nursing Process: assessment, nursing diagnosis, planning, implementation and evaluation. Students will use Nursing Process in conjunction with Maslow's Hierarchy of Needs to make appropriate nursing judgments.  
 7765 1:00pm - 3:05pm M MH 207

**NURSING, REGISTERED 125** **2.00 Units**  
**NURSING PHARMACOLOGY**  
 This course focuses on the effects of drug therapy on human body systems. The body systems include: the central nervous system, autonomic nervous, cardiovascular, renal, endocrine, respiratory and Gastro-intestinal systems. Also included are anti-infective, anti-inflammatory, immune and biological modifiers, chemotherapeutic, hematological, dermatologic, ophthalmic and otic agents. The students will learn and practice principles of medication administration.  
 7740 8:00am - 9:35am M MH 207  
 &lab 10:20am - 11:55am M MH 207

**NURSING, REGISTERED 126** **5.00 Units**  
**MEDICAL-SURGICAL NURSING I (CSU)**  
 Prerequisite: Registered Nursing 122 and Registered Nursing 124 and Registered Nursing 125 and Registered Nursing 134;  
 This basic course focuses on the nursing care of the adult client with moderate stress posed by common endocrine, gastrointestinal, cardiac and respiratory disorders. The student will function as a member of the health care team and beginning leadership skills will be presented. Emphasis will be placed on classroom and clinical application of critical thinking and therapeutic nursing interventions in acute, chronic and community health care settings.  
 7730 8:00am - 2:30pm Th MH 161  
 &lab 7:00am - 7:05pm M HOSP  
**(6 Week Class - Starts 2/9/2015, Ends 4/3/2015)**

7731 8:00am - 2:30pm Th MH 161  
 &lab 7:00am - 7:05pm T HOSP  
**(8 Week Class - Starts 2/9/2015, Ends 4/3/2015)**

7732 8:00am - 2:30pm Th MH 161  
 &lab 7:00am - 7:30pm M HOSP  
**(8 Week Class - Starts 4/13/2015, Ends 6/7/2015)**

7733 8:00am - 2:30pm Th MH 161  
 &lab 7:00am - 7:05pm T MH 161  
**(8 Week Class - Starts 4/13/2015, Ends 6/7/2015)**

**NURSING, REGISTERED 127** **5.00 Units**  
**MEDICAL-SURGICAL NURSING II (CSU)**  
 Prerequisite: Registered Nursing 126 and Registered Nursing 129 and Registered Nursing 130 and Registered Nursing 134;  
 This intermediate level medical/surgical nursing course focuses on nursing care of adult clients with high acuity problems within hospital and community settings. Students will use nursing process and Maslow's Hierarchy of needs to plan and implement nursing care. The course builds on the theory and skills presented in RN 126. Leadership role will be expanded.

7734 9:00am - 12:30pm MW MH 203  
 &lab 7:00am - 7:05pm Th H OSP  
**(8 Week Class - Starts 2/9/2015, Ends 4/3/2015)**

7735 9:00am - 12:05pm MW MH 203  
 &lab 7:00am - 7:30pm F H OSP  
**(8 Week Class - Starts 4/13/2015, Ends 6/5/2015)**

7736 9:00am - 12:30pm MW MH 203  
 &lab 7:00am - 7:05pm Th H OSP  
**(8 Week Class - Starts 4/13/2015, Ends 6/5/2015)**

7737 9:00am - 12:05pm MW MH 203  
 &lab 7:00am - 7:30pm F H OSP  
**(7 Week Class - Starts 2/9/2015, Ends 4/3/2015)**

**NURSING, REGISTERED 128** **3.00 Units**  
**MEDICAL-SURGICAL NURSING III (CSU)**  
 Prerequisite: Registered Nursing 127 and Registered Nursing 131 and Registered Nursing 134;  
 This course focuses on the nursing care of medical-surgical clients in a variety of setting. Emphasis will be on classroom and clinical application of critical thinking and caring interventions in chronic, acute, critical care and community health care settings.  
 7760 9:00am - 12:35pm W MH 207  
 & lab 7:00am - 4:30pm F HOSP  
**(7 Week Class - Starts 2/9/2015, Ends 4/3/2015)**

7761 9:00am - 12:20pm W MH 207  
 &lab 7:00am - 4:05pm M HOSP  
**(6 Week Class - Starts 2/9/2015, Ends 4/3/2015)**

**NURSING, REGISTERED 129** **2.00 Units**  
**GERONTOLOGY & COMMUNITY BASED NURSING**  
 Prerequisite: Registered Nursing 122; Registered Nursing 124; Registered Nursing 125 and Registered Nursing 134;  
 This course focuses on nursing care of the older adult client with common health and illness needs. Emphasis will be on classroom and clinical application of critical thinking and caring therapeutic nursing interventions in acute, chronic and community health care settings for the older adult population.  
 7770 2:00pm - 4:30pm T MH 203  
 &lab 7:00am - 1:30pm F HOSP  
**(7 Week Class - Starts 2/9/2015, Ends 4/3/2015)**

7771 2:00pm - 4:30pm T MH 203  
 &lab 2:00pm - 8:30pm F HOSP  
**(7 Week Class - Starts 2/9/2015, Ends 4/3/2015)**

7772 2:00pm - 4:05pm T MH 203  
 &lab 7:00am - 1:05pm F HOSP  
**(8 Week Class - Starts 4/13/2015, Ends 6/5/2015)**

7773 2:00pm - 4:30pm T MH 203  
 &lab 2:00pm - 8:30pm F H OSP  
**(8 Week Class - Starts 4/13/2015, Ends 6/5/2015)**

**NURSING, REGISTERED 130** **3.00 Units**  
**PSYCHIATRIC-MENTAL HEALTH NURSING**  
 Prerequisite: Registered Nursing 122 and Registered Nursing 124 and Registered Nursing 125 and Registered Nursing 134;  
 This course focuses on nursing care of clients with common psychiatric mental health needs/disorders across the lifespan. Students will apply the nursing process, critical thinking, psychosocial theory and Maslow's Hierarchy of Needs to care of clients in acute, chronic and community- based psychiatric-mental health settings.  
 7755 9:00am - 12:05pm W MH 161  
 &lab 7:00am - 4:30pm M HOSP  
**(6 Week Class - Starts 2/9/2015, Ends 4/3/2015)**

7756 9:00am - 12:05pm W MH 161  
 &lab 7:00am - 4:30pm Th HOSP  
**(8 Week Class - Starts 2/9/2015, Ends 4/3/2015)**

7757 9:00am - 12:30pm W MH 161  
 &lab 7:00am - 4:30pm M HOSP  
**(7 Week Class - Starts 4/13/2015, Ends 6/5/2015)**

7758 9:00am - 12:30pm W MH 161  
 &lab 7:00am - 4:30pm Th HOSP  
**(8 Week Class - Starts 4/13/2015, Ends 6/2/2015)**

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## **NURSING, REGISTERED 131 3.50 Units** **REPRODUCTIVE NURSING AND WOMENS HEALTH**

Prerequisite: Registered Nursing 126 and Registered Nursing 129 and Registered Nursing 130 and Registered Nursing 134;

This course focuses on the nurse as a provider of care, manager of care and a member of the profession in a variety of maternal/newborn and women's health settings.

7600 8:00am - 12:05pm T MH 203  
&lab 7:00am - 5:05pm Th HOSP  
(8 Week Class - Starts 4/13/2015, Ends 6/5/2015)

7745 8:00am - 12:05pm T MH 203  
&lab 7:00am - 4:30pm M HOSP  
(6 Week Class - Starts 2/9/2015, Ends 4/3/2015)

7747 8:00am - 12:30pm T MH 203  
&lab 7:00am - 4:30pm Th HOSP  
(7 Week Class - Starts 2/9/2015, Ends 3/25/2015)

7748 8:00am - 12:30pm T MH 203  
&lab 7:00am - 4:30pm M HOSP  
(7 Week Class - Starts 4/13/2015, Ends 6/5/2015)

## **NURSING, REGISTERED 132 3.50 Units** **CARE OF CHILDREN AND FAMILY**

Prerequisite: Registered Nursing 127 and Registered Nursing 131 and Registered Nursing 134;

This course focuses on the nurse as a provider of care, manager of care and member of the profession in a variety of settings involving children and families. Course content includes physiological, psychological, developmental and socio-cultural needs of children and families. Course content in Pediatric Nursing will be presented within the framework of the wellness/illness continuum of the client and family from birth through adolescence.

7752 8:00am - 12:05pm Th MH 203  
& lab 7:00am - 4:30pm F CA HOSP  
(7 Week Class - Starts 2/9/2015, Ends 4/3/2015)

7753 8:00am - 12:05pm Th MH 203  
& lab 7:00am - 4:30pm M HOSP  
(6 Week Class - Starts 2/9/2015, Ends 4/3/2015)

## **NURSING, REGISTERED 133 3.00 Units** **NURSING LEADERSHIP & MANAGEMENT**

Prerequisite: Registered Nursing 128 and Registered Nursing 132 and Registered Nursing 134.

This course focuses on the transitioning role of the graduating Associate Degree nurse as a provider of care, manager of care and member of the profession. Concepts and issues to be examined include effective leadership styles, advanced therapeutic communication, delegation, conflict resolution, time management, nursing ethics and professional issues. Clinical experience is in the form of a preceptorship.

7775 9:00am - 10:05am W MH 207  
& lab 15:25 hrs/wk TBA - HOSP  
(8 Week Class - Starts 4/13/2015, Ends 6/5/2015)

7776 9:00am - 10:05am W HOSP  
& lab 15:25 hrs/wk TBA - HOSP  
(8 Week Class - Starts 4/13/2015, Ends 6/5/2015)

## **NURSING, REGISTERED 134 1.00 Unit** **NURSING SIMULATION LAB**

This course is designed to allow students to practice nursing skills in a structured setting. It will make use of patient care scenarios in which evidence based practice will be emphasized. It must be taken in semesters 1, 2 and 3. It is optional in semester 4.

The class will be individualized to meet students' needs.  
7800 lab 3:15 hrs/wk TBA MH 160  
7801 lab 3:15 hrs/wk TBA MH 160

## **NURSING, REGISTERED 136 1.00 Unit** **NURSING SIMULATION LAB INTERMEDIATE**

This course is designed to allow students to practice nursing skills in a structured setting. It will make use of patient care scenarios in which evidence based practice will be emphasized. The class will be individualized to meet students' needs.

7806 lab 3:15 hrs/wk TBA MH 160  
7807 lab 3:15 hrs/wk TBA MH 160

## **NURSING, REGISTERED 137 1.00 Unit** **NURSING SIMULATION LAB ADVANCED**

This course is designed to allow students to practice nursing skills in a structured setting. It will make use of patient care scenarios in which evidence based practice will be emphasized. The class will be individualized to meet students' needs.

7808 lab 3:15 hrs/wk TBA MH 160  
9537 lab 3:15 hrs/wk TBA MH 160

## OCEANOGRAPHY

**Oceanography 1** is offered through ITV. Please visit [www.lamission.edu/itv](http://www.lamission.edu/itv). Telephone: (818) 833-3594 or (800) 917-9277

## OFFICE MACHINES

Chair: Christina Anketell, Mariposa Hall - MA-109e, (213) 763-3741

### **OFFICE MACHINES 002 1.00 Unit** **ADDING AND CALCULATING MACHINES (CSU)**

Advisory: Mathematics 105.

This course demonstrates the 10-key touch method and explains the various computerized calculator function keys. The methods used help develop the proper skills needed to use computerized 10-key calculators in the workplace. The review of basic math functions, with emphasis on practical business problems.

0263 lab 1:15pm - 3:25pm T CH/ K324

## PARALEGAL

Chair: Freddie McClain, Aspen Hall - AH/TE-516, (213) 763-3936

### **PARALEGAL 004 3.00 Units** **LEGAL INTERNSHIP**

Prerequisite: Paralegal 10; Advisory: English 101.

Under the instructor's direction and according to guidelines, paralegal student will be assigned to a law related institution, a local court, district attorney's office, city attorney's office, private law firm or a law library to demonstrate their career technical education skills and abilities.

0196 8:00am - 9:00am T CH/ K208  
& lab 6:10 hrs/wk TBA CH/ K208

### **PARALEGAL 011 3.00 Units** **INTRODUCTION TO CIVIL LITIGATION (CSU)**

Prerequisite: Paralegal 10; Corequisite: Paralegal 10.

Continuation of Paralegal I with the study of composition, location, and jurisdiction of all courts including an introduction to legal drafting and writing with continued study of document production and administration within the judiciary and a detailed examination of civil and criminal litigation.

0197 11:45am - 1:10pm TTh CH/ K304

### **PARALEGAL 012 3.00 Units** **TORT LAW**

This course provides an overview of the fundamentals of Tort Law including intentional torts to the person and to property, negligence, and strict liability. Additionally students will study personal injury investigation, preparation of legal pleadings, preparation and analysis of discovery materials, and how to prepare for tort litigation.

0198 1:20pm - 2:45pm TTh CH/ K320

# SPRING 2015 Class Schedule

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## PARALEGAL 019 PROPERTY AND CREDITOR RIGHTS 3.00 Units

Students will be introduced to the study of the different classifications of property interests including community property, tenancies, leases and other property interests. Students will also be introduced to the study of systems of recording those interests and how to search those databases. Students will examine secured transactions and bankruptcy laws.

0200 10:10am - 11:35am MW TBA

## PARALEGAL 051 LEGAL RESEARCH 3.00 Units

Corequisite: Paralegal 10; Advisory: English 101. Student will learn to acquire information from traditional and electronic resources. Student will perform research in law libraries and through computer-based catalogs. Student will be taught to access and utilize primary, secondary, and CALPR research resources to resolve legal problems. Resources will include federal and state statutes, federal and state cases, federal and state regulations, digests, law reviews, treatises, citators, and other practice works.

0199 11:45am - 1:10pm MW CH/ K210

## PERSONAL DEVELOPMENT

Chair: Thomas Dawkins, Juniper Hall, JH/ST-423, (213) 763- 7358

### PERSONAL DEVELOPMENT 002 INTERPERSONAL RELATIONSHIPS (CSU) 1.00 Unit

This course enhances interpersonal skills for building effective communication for personal and professional growth. It utilizes group dynamics by enhancing self-esteem through self-awareness, acceptance, ability to listen and workplace habits. An honest appraisal of individual strengths and weaknesses is made in an effort to help remove barriers to social and academic growth.

1100 11:00am - 12:05pm W ST 401  
1104 8:30am - 9:35am TTh AH/T E210

(8 Week Class - Starts 2/9/2015, Ends 4/2/2015)

9582 1:30pm - 2:35pm M AH/T E208  
& 1:15 hrs/wk TBA AH/T E208

(6 Week Class - Starts 2/23/2015, Ends 3/30/2015)

### PERSONAL DEVELOPMENT 004 CAREER PLANNING (CSU) 1.00 Unit

This is a career planning course designed to assist the student in selecting an appropriate career goal by introducing critical strategies, and information which is essential in selecting a career. The main areas covered in this course are self-assessment, problem solving, discovering your strengths and weaknesses, and understanding your personality style. Some tools which will be used to help identify the areas of concern are the Myers Briggs and the COPEs. Students will also learn how to prepare a functional and chronological resume, as well as a standard cover letter.

9584 1:00pm - 2:05pm Th AH/T E212

### PERSONAL DEVELOPMENT 020 POST-SECONDARY EDUCATION: THE SCOPE OF CAREER PLANNING (CSU) 3.00 Units

This course introduces students to the role of higher education in society and to their role as students. Students explore personal attributes needed for college success, critical thinking and effective study strategies, relating to others in a diverse world, the career planning and decision making process, and transfer and educational planning. This course will also provide students with an overview of campus resources and policies.

1101 2:00pm - 3:25pm T AH/T E210  
& 3:00 hrs/wk TBA AH/T E210

### PERSONAL DEVELOPMENT 022 THE TRANSFER PROCESS (UC:CSU) 1.00 Unit

This course is an introduction to the transfer process. It is designed to enable students to become active participants in planning their long-term educational and career goals and will provide students with an understanding of the process and the requirements for transferring to a four-year college or university. The course will consist of lecture, use of internet resources, guest speakers and student assignments.

1102 11:45am - 1:10pm T AH/T E210  
& 1:30 hrs/wk TBA AH/T E210

## PHILOSOPHY

Chair: John Glavan, Aspen Hall - AH/TE-520, (213) 763-3931

### PHILOSOPHY 001 INTRODUCTION TO PHILOSOPHY (UC:CSU) 3.00 Units

This course introduces students to philosophy, covering the topics of ethics, logic and language, metaphysics, theory of knowledge, philosophy of religion, and political philosophy. Some of the questions examined include: 'What is the good life?' 'What is right and wrong, and how do we know?' 'What is knowledge and what are its sources?' 'Is it possible that we know nothing at all?' 'Does God exist?' 'Could we ever know?' 'What is the mind?' 'What is justice?' 'What is the basic nature of reality?' An emphasis is placed on developing critical reasoning skills, and relating the topics to larger cultural issues and debates.

1447 8:35am - 10:00am MW AH/T E210  
1448 8:35am - 10:00am TTh OH/ F222  
1449 10:10am - 11:35am MW AH/T E210  
1450 11:45am - 1:10pm MW AH/T E210  
3859 6:00pm - 9:10pm T OH/ F222

Philosophy 1 is also offered through ITV. Please visit [www.lamission.edu/itv](http://www.lamission.edu/itv). Telephone: (818) 833-3594 or (800) 917-9277

### PHILOSOPHY 008 DEDUCTIVE LOGIC (UC:CSU) 3.00 Units

This is an introductory course in logic. The student is introduced to the standards and techniques of correct thought with regular practice with short specimens of correct and incorrect reasoning taken from daily life. Consistency, thoroughness, and other aspects of rational thought are fostered.

1451 10:10am - 11:35am TTh OH/ F222  
1452 11:45am - 1:10pm TTh OH/ F222  
3860 6:00pm - 9:10pm Th OH/ F222

## PHYSICS

Chair: Miguel Moreno, Cedar Hall - CH/K-405, (213) 763-7322

### PHYSICS 001 MECHANICS OF SOLIDS (UC:CSU) 4.00 Units

Prerequisite: Physics 11 or Physics 12; Corequisite: Mathematics 265;

This course covers elements of classical mechanics, including motion in three dimensions, vectors, laws of motion, circular motion, energy and energy transfer, linear momentum, rigid body rotation, angular momentum, static equilibrium and elasticity.

1739 12:10pm - 1:40pm T CH/ K420  
& 10:10am - 11:40am Th CH/ K420  
&lab 12:00pm - 3:10pm Th CH/ K422

### PHYSICS 002 MECHANICS OF FLUIDS, HEAT, AND SOUND (UC:CSU) 4.00 Units

Prerequisite: Physics 1; Corequisite: Mathematics 266.

This course covers elements of classical mechanics, thermodynamics, fluid dynamics, mechanical waves and geometrical optics, including universal gravitation, hydrostatics, hydrodynamics, oscillations, wave motion, sound, superposition of waves, temperature, first and second laws of thermodynamics, kinetic theory, entropy, nature of light and lenses. Differential and integral calculus are often needed.

1740 10:10am - 11:35am TF CH/ K420  
&lab 12:10pm - 3:20pm F CH/ K420

### PHYSICS 004 OPTICS AND MODERN PHYSICS (UC:CSU) 4.00 Units

Prerequisite: Mathematics 267.

This course covers the fundamentals of physical optics including radiation, spectra, wave mechanics, uncertainty principle, radioactivity and nuclear physics.

1744 1:30pm - 4:40pm T MH 308  
&lab 1:30pm - 4:40pm Th CH/ K420



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## PHYSICS 006 4.00 Units

### GENERAL PHYSICS I (UC:CSU)

Prerequisite: Physics 11; Mathematics 125; Mathematics 241;

This course provides a survey of physics at the pre-calculus level, with emphasis on mechanics, wave motion, fluids, heat and thermodynamics. The laboratory consists of engineering applications and problem solving.

<b>4088</b>	<b>6:30pm - 9:40pm</b>	<b>M</b>	<b>CH/ K422</b>
&lab	12:40pm - 3:50pm	F	CH/ K468
<b>4089</b>	<b>6:30pm - 9:40pm</b>	<b>M</b>	<b>CH/ K422</b>
&lab	2:50pm - 6:00pm	W	CH/ K422

## PHYSICS 011 4.00 Units

### INTRODUCTORY PHYSICS (UC:CSU)

Corequisite: Mathematics 113 or Mathematics 115 or Chemical Technology 113 and Chemical Technology 111.

This is a survey course describing the major areas of physics: mechanics, heat, wave motion, electricity and magnetism, electromagnetic radiation and optics. Mathematical solution of simple problems are covered. This course is not open to students receiving credit for Physics 12.

1629	8:00am - 11:10am	SAT	CH/ K420
&lab	12:00pm - 3:10pm	SAT	CH/ K420
1745	7:00am - 10:10am	T	CH/ K422
&lab	7:00am - 10:10am	Th	CH/ K420
1759	7:00am - 10:10am	F	CH/ K406
&lab	10:10am - 1:20pm	F	CH/ K422
1762	8:00am - 11:10am	M	CH/ K420
&lab	8:00am - 11:10am	W	CH/ K420

## PHYSICS 012 3.00 Units

### PHYSICS FUNDAMENTALS (UC:CSU)

Corequisite: Mathematics 113 or Mathematics 115 or Chemical Technology 113 and Chemical Technology 111;

This is a survey course describing the major areas of physics: mechanics, heat, wave motion, electricity and magnetism, electromagnetic radiation and optics. Mathematical solution of simple problems are covered. This course is not open to students receiving credit for Physics 11.

1760	7:00am - 10:10am	F	CH/ K406
1763	8:00am - 11:10am	M	CH/ K420

## PHYSICS 014 1.00 Unit

### PHYSICS FUNDAMENTALS LABORATORY (UC:CSU)

Corequisite: Physics 12;

This course covers laboratory experiments in basic measurements, mechanical, thermal, sound, electrical and optical phenomena at an introductory level.

1761 lab	10:10am - 1:20pm	F	CH/ K422
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## PHYSICS 029A 3.00 Units

### BASIC PHYSICS FOR TECHNICIANS

Corequisite: Mathematics 114 or Mathematics 115 or Physics 11.

This course covers basic mechanical, fluid, thermal, electrical, magnetic, and optical topics at an introductory level.

1765	8:35am - 10:00am	MW	CH/ K406
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## PHYSICS 029B 1.00 Unit

### BASIC PHYSICS FOR TECHNICIANS

Corequisite: Mathematics 114 or Mathematics 115 or Physics 11.

This course covers basic mechanical, fluid, thermal, electrical, magnetic, and optical topics at an introductory level.

1766 lab	7:00am - 10:00am	Th	CH/ K422
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## PHYSIOLOGY

Chair: Miguel Moreno, Cedar Hall - CH/K-405, (213) 763-7322

## PHYSIOLOGY 001 4.00 Units

### INTRODUCTION TO HUMAN PHYSIOLOGY (UC:CSU)

Prerequisites: Anatomy 001 and Chemistry 51 or Chemistry 65 or Chemistry 101.

1701	8:00am - 9:25am	TTh	CH/ K406
&lab	9:35am - 12:45pm	T	CH/ K468
1702	1:30pm - 2:55pm	TTh	CH/ K321
&lab	9:35am - 12:45pm	Th	CH/ K468

## PLUMBING

Chair: William Elarton, Sequoia Hall - SQ/B-122, (213) 763-3701

## PLUMBING 026 3.00 Units

### PLUMBING LAYOUT AND ESTIMATING I

This course covers fundamentals of blueprint reading for residential plumbing with an introduction to piping layout and design and basic estimating procedures. An overview of piping and fitting nomenclature, measurements and related calculations, as well as techniques in sketching, along with orthographic, and isometric drawing creation are included.

<b>4746</b>	<b>6:00pm - 9:10pm</b>	<b>M</b>	<b>SQ/B 200B</b>
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## PLUMBING 031 3.00 Units

### BACKFLOW PREVENTION DEVICES

This course is designed to prepare student for Backflow Prevention Assembly Tester Certification. Instruction is given in fundamentals of cross-connection control including State, County, County Health Department, and Municipal codes. Water Purveyor rules and regulations are also reviewed in this course. Emphasis is given to laboratory work in installing, operating, testing, troubleshooting, and maintaining Pressure, Spill Resistant Pressure, and Two Check Type Pressure, Vacuum Breakers as well as Double Check Valve, Double Check Valve-Detector, Reduced Pressure Principle, and Reduced Pressure Principle-Detector Backflow prevention Assemblies.

<b>4744</b>	<b>6:00pm - 6:45pm</b>	<b>TTh</b>	<b>SQ/B 200B</b>
&lab	<b>6:45pm - 9:10pm</b>	<b>TTh</b>	<b>SQ/B 200B</b>

## PLUMBING 111 3.00 Units

### INTRODUCTION TO PLUMBING

This course surveys the history of the Plumbing Industry; Highlights occupational information, Evokes job ethics and instructs on career information; The course also covers occupational health and safety hazards, provides an overview of Plumbing systems, and introduces the tools of the trade.

8174	7:00am - 7:30am	TTh	SQ/ B250
&lab	9:15am - 12:25pm	TTh	SQ/ B352

## PLUMBING 112 3.00 Units

### FUNDAMENTALS OF PLUMBING

This course studies fundamentals of plumbing calculations and elementary drawings for beginners. Topics include pipe sizes and calculations, flow in pipe, friction design application, Instruction is given in the principles and design of water supply, fuel gas distribution, and D.W.V. (Drain, Waste and Vent).

4745	6:00pm - 9:10pm	M	SQ/ B250
8164	7:40am - 9:05am	TTh	SQ/ B352

## PLUMBING 113 6.00 Units

### BASIC PLUMBING PRINCIPLES AND PRACTICES

This course introduces fundamentals of plumbing principles and practices. Topics include installation, repair, and nomenclature of pipes, fittings, and fixtures. Instruction is given on elementary drawings, plan reading, general specifications, and trade calculations as related to construction documents.

8165	7:00am - 8:05am	MWF	SQ/ B352
&lab	8:05am - 11:05am	MWF	SQ/ B252

## PLUMBING 121 3.00 Units

### WORKING DRAWINGS AND LAYOUT I

This course offers instruction in basic blueprints, estimating and drafting related to the plumbing industry; proper methods and procedures of plan interpretation and application. This course also offers exposure to the plumbing code, manufacturer's data sheets, and plumbing specifications.

8166	7:00am - 8:25am	MW	SQ/ B222
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## PLUMBING 122 3.00 Units

### PLUMBING MATHEMATICS AND PROCEDURES II

This course offers instructions in measuring, material purchases and return procedures, capacity loading, pressure calculations and gas conversions related to the plumbing industry, with emphasis on formulas calculations peculiar to the industry

8167	7:00am - 8:25am	TTh	SQ/ B222
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**PLUMBING 123** **6.00 Units**  
**PLUMBING PRACTICES AND INSTALLATION**  
 This course offers the study and practice of the proper methods and procedures used in installing plumbing fixtures and accessories. Installing, fabricating and testing fixtures applicable to residential and commercial plumbing are covered.

8168	8:35am - 9:20am	MW	SQ/ B222
&lab	9:20am - 11:40am	MW	SQ/ B200
&lab	8:35am - 11:40am	TTh	SQ/ B200
&lab	7:00am - 10:35am	F	SQ/ B200

**PLUMBING 141** **3.00 Units**  
**ADVANCE LAYOUT AND PROCEDURES**  
 This course covers proper methods of layout and installation procedures, fabrication, and erection of piping in commercial buildings in compliance with local and national codes.

8169	7:00am - 8:25am	MW	SQ/B 200B
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**PLUMBING 142** **3.00 Units**  
**SERVICING OF PLUMBING FIXTURES AND APPLIANCES**  
 This course covers proper methods of repairing plumbing fixtures and appliances, preparing for the repair job, and estimating the job.

8170	8:35am - 9:20am	MW	SQ/B 200B
&lab	9:20am - 11:45am	MW	SQ/B 200B

**PLUMBING 143** **3.00 Units**  
**PLUMBING CODE I**  
 This course covers building codes as they relate to plumbing, with emphasis on the effective use of applicable codes and hands-on laboratory projects.

8171	7:00am - 7:45am	TTh	SQ/B 200B
&lab	7:45am - 10:10am	TTh	SQ/ B200

**PLUMBING 144** **3.00 Units**  
**SPECIAL PURPOSES INSTALLATION**  
 This course covers fabrication and erection of piping for the proper installation of special appliances and fixtures and special methods used in the construction of these fixtures, as well as testing procedures.

8172	10:20am - 11:45am	TTh	SQ/ B222
&lab	7:00am - 10:10am	F	SQ/ B200

**PLUMBING 941** **4.00 Units**  
**COOPERATIVE EDUCATION - PLUMBING**  
 Cooperative Education is a work experience program involving the employer, the student-employee and the college to insure that the student receives on the job training and the unit credit for work experience or volunteer work/internship. Completion of at least seven units, including Cooperative Education, at the end of the semester is required. Students must be employed or volunteering/interning in order to participate in program.

9160	4:25 hrs/wk	TBA	CY/ D236
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See Co-op Education page in the back of the schedule for meeting days and times.

## POLITICAL SCIENCE

Chair: Freddie McClain, Aspen Hall - AH/TE-516, (213) 763-3936

**POLITICAL SCIENCE 001** **3.00 Units**  
**THE GOVERNMENT OF THE UNITED STATES (UC:CSU)**  
 Advisory: English 28;  
 Political Science 1 is an introductory course in the principles, institutions and policy processes of the American Political System and an examination of major tenets in Federalism, Representative Government and the scope of the Executive, Legislative and Judicial powers. It offers an overview of local, state and national governance.

1030	10:10am - 11:35am	MW	AH/T E210
1031	11:45am - 1:10pm	MW	AH/T E215
1032	8:35am - 10:00am	TTh	AH/T E212
1033	10:10am - 11:35am	TTh	OH/ F210
1034	11:45am - 1:10pm	TTh	AH/T E312
1036	1:20pm - 2:45pm	MW	AH/T E323
3631	6:00pm - 9:10pm	T	AH/T E221
3632	6:00pm - 9:10pm	Th	AH/T E213

7972 3:15 hrs/wk TBA ON LINE  
 Please visit the online program homepage at <http://moodle.latic.edu> prior to the start of class for directions.

**Political Science 1** is also offered through ITV. Please visit [www.lamission.edu/itv](http://www.lamission.edu/itv). Telephone: (818) 833-3594 or (800) 917-9277

**POLITICAL SCIENCE 007** **3.00 Units**  
**CONTEMPORARY WORLD AFFAIRS (UC:CSU)**  
 Advisory: English 28.  
 This course will focus on the relationships of nations in modern times emphasizing the nation-state system, diplomacy, international law, and international organizations. Students will explore the causes, consequences, and methods of resolving international conflicts, and the impact of internal economic, political, and military factors on foreign policy.

1035	10:10am - 11:35am	TTh	AH/T E212
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## POWER LINE MECHANIC - TRAINEE

Chair: William Elarton, Sequoia Hall - SQ/B-122, (213) 763-3701

**POWER LINE MECHANIC - TRAINEE 601** **15.00 Units**  
**POWER LINE MECHANIC - TRAINEE (600 HOURS)**  
 Prerequisite: Electrical Construction and Maintenance 119 or Electrical Construction and Maintenance 173 or Electrical Construction and Maintenance 1 and Building Construction Techniques 4 or Electrical Construction and Maintenance 116;  
 The goal of this course is to produce qualified candidates for various Power Line Mechanic training programs. Development of basic pre-apprentice skills needed to be successful will be emphasized. These skills include: overall safety considerations, power pole and tower climbing skills, knowledge of the basic tools and materials involved with the electrical line crafts, general construction standards, basic rigging principles, and basic electrical theory that is specific to this trade. A power pole-climbing certificate of competencies is granted to students who successfully complete this course. This course meets or exceeds the equivalent industry recognized 600 hour programs. Special Note: Students during the course of instruction will be required to lift up to 60 lbs with repetition and will be required to climb and perform installation and maintenance operations at the top of 30 foot power poles. Physical or psychological impairments that might limit your abilities to succeed should be considered.

8320	7:00am - 8:10am	MTWThF	OH/ F208
&lab	8:10am - 9:20am	MTWThF	POLE YARD
&lab	9:20am - 2:20pm	MTWThF	POLE YARD

## PROCESS PLANT TECHNOLOGY

Chair: Miguel Moreno, Cedar Hall - CH/K-405, (213) 763-7322

**PROCESS PLANT TECHNOLOGY 102** **3.00 Units**  
**PROCESS MEASUREMENT AND CONTROL FUNDAMENTALS (CSU)**  
 The purpose of this course is to provide an introduction to the fundamentals of process variables and a variety of instruments used to sense, measure, transmit, and control process plant operations within chemical manufacturing, oil refineries and wastewater treatment industries.

1643	7:00am - 8:25am	W	AH/T E111
&	7:00am - 8:25am	F	AH/T E111
4082	6:00pm - 9:10pm	W	CH/ K424

**PROCESS PLANT TECHNOLOGY 104** **3.00 Units**  
**INTRODUCTION TO PROCESS PLANT SAFETY**  
 This course provides an introduction to the field of environmental, safety, and health within the chemical laboratory and process industry. Students will be introduced to various types of laboratory and plant safety techniques and hazards. In addition an overview of safety and environmental systems and equipment, and state and federal regulations under which laboratory testing, plant processes, bio and chemical manufacturing are governed.

1642	11:40am - 1:10pm	MT	MH 301
4087	6:00pm - 9:10pm	M	CH/ K424

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**PROCESS PLANT TECHNOLOGY 200** 3.00 Units  
**PETROLEUM REFINING FUNDAMENTALS (CSU)**  
The purpose of this course is to provide an introduction to the unique combinations of equipment and systems used to separate materials in chemical manufacturing, oil refineries, wastewater treatment, pharmaceutical industries, biomanufacturing and others. The study will include process systems such as, reactions, water treatment, distillation, absorbing/stripping, evaporation, extraction and fundamental organic chemistry principles involved in process systems.  
1646 11:20am - 2:30pm F CH/ K424  
4083 6:00pm - 9:10pm Th CH/ K424

**PROCESS PLANT TECHNOLOGY 202** 3.00 Units  
**INTRODUCTION TO PROCESS PLANT TROUBLESHOOTING**  
This course introduces students to the troubleshooting processes involved in the investigation, identification and eliminating of the type of faults which are common to process plant operations.  
1644 10:30am - 1:40pm Th CH/ K424

**PROCESS PLANT TECHNOLOGY 204** 2.00 Units  
**PTECH INSTRUMENTATION - COMPUTER APPLICATIONS**  
This advanced course introduces students to the computerized software used to manipulate process operations in chemical industries including petrochemical, wastewater, pharmaceutical and numerous other operations.  
1647 11:30am - 1:35pm M CH/ K424  
4094 6:00pm - 8:05pm T CH/ K424

**PROCESS PLANT TECHNOLOGY 214** 3.00 Units  
**PTECH IV-QUALITY PERFORMANCE**  
1658 12:30pm - 3:40pm W CH/ K424

## PSYCHOLOGY

Chair: Freddie McClain, Aspen Hall - AH/TE-516, (213) 763-3936

**PSYCHOLOGY 001** 3.00 Units  
**GENERAL PSYCHOLOGY I (UC:CSU)**  
Advisory: English 28;  
This is an introductory course in psychology as the scientific study of behavior and mental processes. Topics treated include history and systems of psychology, biological bases of behavior, sensation and perception, states of consciousness, learning, memory, cognition, personality, human development, motivation and emotion, health and stress, psychological disorders, and therapies.  
1040 10:10am - 11:35am MW AH/T E312  
1041 11:45am - 1:10pm MW AH/T E213  
1042 8:35am - 10:00am TTh AH/T E312  
1043 10:10am - 11:35am TTh AH/T E213  
1044 11:45am - 1:10pm TTh AH/T E213  
1050 9:00am - 12:10pm SAT AH/T E312  
3641 6:00pm - 9:10pm Th AH/T E221  
  
7975 3:15 hrs/wk TBA ON LINE  
Please visit the online program homepage at <http://moodle.lattc.edu> prior to the start of class for directions.

**Psychology 1** is also offered through ITV. Please visit [www.lamission.edu/itv](http://www.lamission.edu/itv). Telephone: (818) 833-3594 or (800) 917-9277

**PSYCHOLOGY 014** 3.00 Units  
**ABNORMAL PSYCHOLOGY (UC:CSU)**  
Prerequisite: PSYCH 1. This course examines the definition, possible causes, signs and symptoms and treatment of psychological disorders. Topics such as anxiety, mood disorders, schizophrenia, substance-related disorders, and personality disorders are emphasized. Additional topics will include cognitive disorders, disorders of childhood and adolescence, as well as sexual dysfunctions and substance-related disorders.  
1045 8:35am - 10:00am MW AH/T E213

**PSYCHOLOGY 032** 3.00 Units  
**PSYCHOLOGY OF WOMEN (UC:CSU)**  
Advisory: English 28;  
This course explores the biological and cultural determinants of women's personality development. Explores cultural stereotypes, sex role development, female sexuality, and women's health issues in terms of the implications for personal and social change.  
7976 3:15 hrs/wk TBA ON LINE  
Please visit the online program homepage at <http://moodle.lattc.edu> prior to the start of class for directions.

**PSYCHOLOGY 041** 3.00 Units  
**LIFE-SPAN PSYCHOLOGY: FROM INFANCY TO OLD AGE (UC:CSU)**  
Prerequisite: Psychology 1; Advisory: English 28;  
This course examines the interaction of physical, psychological, and social factors and their impact on human development and behavior from conception to death.  
1047 10:10am - 11:35am MW AH/T E213  
1048 11:45am - 1:10pm MW AH/T E312  
1049 8:35am - 10:00am TTh AH/T E213  
3645 6:00pm - 9:10pm T AH/T E213  
  
7981 3:15 hrs/wk TBA ON LINE  
Please visit the online program homepage at <http://moodle.lattc.edu> prior to the start of class for directions.

**Psychology 41** is also offered through ITV. Please visit [www.lamission.edu/itv](http://www.lamission.edu/itv). Telephone: (818) 833-3594 or (800) 917-9277

## PUBLIC RELATIONS

Dean: Nicole Albo-Lopez, Aspen Hall - AH/TE-511, (213) 763-7025

**PUBLIC RELATIONS 001** 3.00 Units  
**PRINCIPLES OF PUBLIC RELATIONS (CSU)**  
This course provides students an understanding of the broad aspects of relationships with the public as they apply to business, education, public agencies, and other organizations. It includes methods of either promoting favorable relations with various segments of the public or coping with situations involving adverse public opinion.  
0149 12:00pm - 1:25pm TTh CH/ K208  
  
**PUBLIC RELATIONS 002** 3.00 Units  
**PUBLIC RELATIONS TECHNIQUES (CSU)**  
Advisory: Public Relations 1;  
This course is a comprehensive study of various public relations techniques utilized in campaigns by businesses, educational institutions, public agencies, and other organizations. Case histories are used to stimulate student initiative in problem solving. The social impact of the various communications media and their role in public relations will also be stressed. The accompanying practicum gives students the opportunity to work with an on-campus or non-profit organization to create and implement a public relations plan.  
3028 6:00pm - 9:10pm T CH/ K208

**PUBLIC RELATIONS 003** 3.00 Units  
**WRITING FOR PUBLIC RELATIONS**  
Advisory: Public Relations 1 and English 101. This course will provide students with the persuasive powers of the written and spoken words that are explored and utilized in creating viable communicative messages, such as, news releases, feature stories, interviews, public service announcements, speeches, and institutional advertising.  
0147 1:00pm - 4:10pm F CH/ K304

# SPRING 2015 Class Schedule

February 9 to June 6



## REAL ESTATE

Dean: Nicole Albo-Lopez, Aspen Hall - AH/TE-511, (213) 763-7025

### REAL ESTATE 005 3.00 Units LEGAL ASPECTS OF REAL ESTATE I (CSU)

This course covers the principles of property ownership and management with special emphasis on the law as it applies to community property, conveyances, deeds, trust deeds, leases, brokerage activities, liens, homesteads, wills, estates and taxes. Attention is also given to logical reasoning and the application of rules of law to everyday affairs in business.

3065 6:00pm - 9:10pm M CH/ K304

### REAL ESTATE 009 3.00 Units REAL ESTATE APPRAISAL I (CSU)

The principles and methods for the estimation of value and price of land and improvements, factors affecting income and values of real estate, and trends in real property values are covered in this course. The role of the appraiser in determining the highest and best use for a particular site is presented. The importance of appraisal to the lender, insurer, seller, and potential buyer are discussed as are appraisal of partial real estate interests.

3067 6:00pm - 9:10pm T CH/ K322

### REAL ESTATE 014 3.00 Units PROPERTY MANAGEMENT (CSU)

This course will give students an in-depth view of practical issues facing practitioners, such as maintenance, accounting, administrative, and legal activities, and has up-to-date content on federal regulations, such as civil rights, fair housing, ADA issues, and environmental concerns.

3066 6:00pm - 9:10pm W CH/ K322

## REFRIGERATION & AIR CONDITIONING MECHANICS

Chair: William Elarton, Sequoia Hall - SQ/B-122, (213) 763-3701

### REFRIGERATION & AIR CONDITIONING MECHANICS 100 3.00 Units AIR CONDITIONING PROJECT MANAGEMENT

This course provides HVAC Industry Project Manager instruction. Topics covered will include blueprint reading, Microsoft spreadsheets, Microsoft Word documents, Microsoft Project, design build criteria, estimating, change orders, request for information, GANTT Charts, scheduling, schedule of values, purchase orders, submittals, transmittals, reading of air balance reports, warranty letters and close out packages.

4783 6:00pm - 9:10pm Th SQ/ B232

### REFRIGERATION & AIR CONDITIONING MECHANICS 101 9.00 Units AIR CONDITIONING AND REFRIGERATION PRINCIPLES AND PRACTICES-FIRST SEMESTER

This course covers Refrigeration and Air Conditioning Theory, Fundamentals, and practices for entry level students. Topics discussed include refrigeration and air conditioning system components, maintenance procedures, service procedures, and Thermodynamics.

8300 7:00am - 10:10am F SQ/ B250  
&lab 7:00am - 12:05pm MTWTh SQ/ B238

### REFRIGERATION & AIR CONDITIONING MECHANICS 105 3.00 Units SOLAR WATER & POOL HEATING SYSTEM PRINCIPLES

This is an introductory lecture course on Solar Thermal. The need for renewable energies, along with planning and installing solar thermal systems will be covered. The solar heating of swimming pools, domestic hot water, and building air will be emphasized.

4751 6:00pm - 9:10pm F SQ/ B232  
4775 6:00pm - 9:10pm M SQ/ B233

### REFRIGERATION & AIR CONDITIONING MECHANICS 110 2.00 Units SOLAR WATER & POOL HEATING SYSTEM PRACTICES

This course is designed for students interested in a career in the solar thermal industry. The fundamental practices and functions of the solar thermal industry will be

introduced. This course covers the skills and practices for planning, installation, and maintenance of all the necessary components for a solar thermal water system.

4776 lab 6:00pm - 9:10pm MW SQ/ B136

### REFRIGERATION & AIR CONDITIONING MECHANICS 123 1.00 Unit PIPE AND TUBE JOINING PROCESSES

This course assesses assembly of components into operating systems using techniques employed by the industry.

8304 lab 7:00am - 12:05pm MW C.J. BARNETT SQ/ B237

### REFRIGERATION & AIR CONDITIONING MECHANICS 124 5.00 Units REFRIGERATION ELECTRICAL CIRCUITS AND CONTROLS

This course covers the application of electrical principles and practices, including safety and PPE, utilized in the performance of the duties required of a HVACR Technician.

8305 lab 7:00am - 12:05pm TTh SQ/ B237

### REFRIGERATION & AIR CONDITIONING MECHANICS 125 3.00 Units REFRIGERATION SYSTEM COMPONENTS

Instruction is given in basic electricity and electrical components as they relate to the HVAC&R industry. The use of electrical schematic diagrams is stressed throughout the semester.

8306 7:00am - 10:10am F C.J. BARNETT SQ/ B233

### REFRIGERATION & AIR CONDITIONING MECHANICS 133 3.00 Units REFRIGERATION SERVICE PROCEDURES I

Prerequisite: Refrigeration and A/C Mechanics 123; and Refrigeration and A/C Mechanics 124; and Refrigeration and A/C Mechanics 125 ; Corequisite: Refrigeration and Air Conditioning

Mechanics 134; and Refrigeration and Air Conditioning Mechanics 135;

This course involves servicing procedures applied to commercial and domestic refrigeration systems including restaurants, supermarkets and industrial process cooling. Students are required to inspect and analyze coolers, freezers and ice makers.

8308 lab 7:00am - 12:05pm MW SQ/ B204

### REFRIGERATION & AIR CONDITIONING MECHANICS 134 3.00 Units SERVICE FOR COMMERCIAL REFRIGERATION

Prerequisite: Refrigeration and A/C Mechanics 123; Refrigeration and A/C Mechanics 124; Refrigeration and A/C Mechanics 125 ; Corequisite: Refrigeration and Air Conditioning Mechanics 133;

and Refrigeration and Air Conditioning Mechanics 135;

This course focuses on troubleshooting procedures in diagnosing and repairing malfunctions in domestic and commercial refrigeration systems. The lab work emphasizes the analyzing and repairing of mechanical and electrical components, with the proper use of tools and test equipment.

8309 lab 7:00am - 12:05pm TTh SQ/ B204

### REFRIGERATION & AIR CONDITIONING MECHANICS 135 3.00 Units AIR CONDITIONING AND REFRIGERATION

Prerequisite: Refrigeration and A/C Mechanics 123; Refrigeration and A/C Mechanics 124; Refrigeration and A/C Mechanics 125 ; Corequisite: Refrigeration and Air Conditioning Mechanics 133;

and Refrigeration and Air Conditioning Mechanics 134;

This course focuses on refrigeration principles including theory of heat, automatic controls, electric motors, and commercial refrigeration. This course gives an in depth look at the refrigeration cycle and refrigeration components. This course discusses thermodynamics, including the pressure temperature chart, latent heat, and system efficiency.

8310 7:00am - 10:10am F SQ/ B203

### REFRIGERATION & AIR CONDITIONING MECHANICS 141 3.00 Units APPLIED REFRIGERATION AND AIR CONDITIONING PRINCIPLES

This course focuses on Chemistry as applied to the HVAC and R industry. Areas covered include Hydronics, heating and cooling load calculations, control wiring, introduction to the Uniform Mechanical Code, pneumatic controls, troubleshooting approaches, and employment.

8311 7:00am - 10:10am F SQ/ B232



# SPRING 2015 Class Schedule

February 9 to June 6



## REFRIGERATION & AIR CONDITIONING MECHANICS 143 3.00 Units REFRIGERATION SERVICING PROCEDURES II

Prerequisite: Refrigeration and A/C Mechanics 133; Refrigeration and A/C Mechanics 134; Refrigeration and A/C Mechanics 135 ; Corequisite: Refrigeration and Air Conditioning Mechanics 141;  
and Refrigeration and Air Conditioning Mechanics 145;  
Troubleshooting procedures in diagnosing and repairing malfunctions in refrigeration systems are studied in this course with emphasis on mechanical problems.  
8312 lab 7:00am - 12:05pm MW SQ/ B221

## REFRIGERATION & AIR CONDITIONING MECHANICS 145 3.00 Units AIR CONDITIONING AND REFRIGERATION MECHANICS

Prerequisite: Refrigeration and A/C Mechanics 133; and Refrigeration and A/C Mechanics 134; and Refrigeration and A/C Mechanics 135 ; Corequisite: Refrigeration and Air Conditioning Mechanics 141; and Refrigeration and Air Conditioning Mechanics 143;  
This is a study on diagnosis and repair of refrigeration, air conditioning, and gas heating systems with emphasis on the correct application of electrical theory.  
8313 lab 7:00am - 12:05pm TTh SQ/ B221

## REFRIGERATION & AIR CONDITIONING MECHANICS 160 4.00 Units REFRIGERATION SYSTEM PRINCIPLES AND PRACTICES

Students learn the fundamental refrigeration system principles, including system components refrigerants, basic electricity, motors, controls, and test equipment in domestic and commercial systems. Students get an introduction to air conditioning with an emphasis on the refrigeration cycle, and appropriate temperatures.  
4784 8:00am - 10:30am SAT SQ/ B233  
& lab 10:30am - 3:40pm SAT SQ/ B233

## REFRIGERATION & AIR CONDITIONING MECHANICS 161 4.00 Units AIR CONDITIONING SYSTEM PRINCIPLES AND PRACTICES

This is a study of human comfort, psychometrics and heat loads. Air distribution and duct sizing, air conditioning equipment, test instruments and measurements and servicing are explored.

4767 6:00pm - 7:10pm MW SQ/ B203  
& lab 7:10pm - 9:40pm MW SQ/ B204

## REFRIGERATION & AIR CONDITIONING MECHANICS 162 4.00 Units PIPING PRINCIPLES AND PRACTICES

Instruction is given on refrigerant tubing and fittings, water piping and fittings, pipe sizing, soft soldering, silver brazing and schematic drawings.

4774 6:00pm - 7:10pm TTh SQ/ B237  
& lab 7:10pm - 9:40pm TTh SQ/ B237

## REFRIGERATION & AIR CONDITIONING MECHANICS 164 4.00 Units GAS HEATING SYSTEMS (CSU)

This course will provide the necessary skills needed for proper installation, servicing and troubleshooting of natural gas furnaces. Topics include principles of gas combustion, gas ignition, controls, installation, and ventilation.

4758 6:00pm - 7:10pm MW SQ/ B232  
&lab 7:10pm - 9:40pm MW SQ/ B221

## REFRIGERATION & AIR CONDITIONING MECHANICS 165 4.00 Units THERMAL ENERGY STORAGE/HEAT RECOVERY

Thermal Energy Storage theory and component selection based on load profile and cost.

4759 6:00pm - 7:10pm TTh SQ/ B238  
&lab 7:10pm - 9:40pm TTh SQ/ B221

## REFRIGERATION & AIR CONDITIONING MECHANICS 177 3.00 Units HEATING AND AIR CONDITIONING II

The cooling portion of the air conditioning field for employed mechanics is explored in this course. Types of systems, the refrigeration cycle, heat gain and heat loss calculations, air distribution equipment, selection of controls, and sales procedures are reviewed.

4757 6:00pm - 9:10pm T SQ/ B233

## REFRIGERATION & AIR CONDITIONING MECHANICS 187 3.00 Units SERVICING I

This course reviews servicing procedures, manufacturer's recommendations, installation and servicing of commercial and industrial refrigeration and air conditioning systems.

4761 6:00pm - 9:10pm Th SQ/ B233

## REFRIGERATION & AIR CONDITIONING MECHANICS 199 3.00 Units MECHANICAL CODE I- HVACR

An introduction to the California Mechanical Code for the installation and maintenance of heating, ventilating, cooling, and refrigeration systems

4763 6:00pm - 9:10pm T SQ/ B203

## REFRIGERATION & AIR CONDITIONING MECHANICS 202 3.00 Units REFRIGERATION FUNDAMENTALS (CSU)

This course covers applied thermodynamics, types of energy, gas laws, sensible and latent heat transfer.

4752 6:00pm - 9:10pm W SQ/ B233

## REFRIGERATION & AIR CONDITIONING MECHANICS 203 3.00 Units COMPRESSION SYSTEMS OF REFRIGERATION (CSU)

Instruction is given in the vapor cycle of refrigeration systems, including the study of refrigerants and their behavior in the system.

4753 6:00pm - 9:10pm W SQ/ B222

## REFRIGERATION & AIR CONDITIONING MECHANICS 204 3.00 Units FUNCTIONS AND COMPRESSION SYSTEM COMPONENTS

This Course covers the technical aspects of all major refrigeration system components. Topics covered include the principles of operation of various types of compressors, refrigerant flow controls, and system design.

4754 6:00pm - 9:10pm Th SQ/ B250

## REFRIGERATION & AIR CONDITIONING MECHANICS 208 4.00 Units REFRIGERENT MANAGEMENT - EPA SECTION 608 CERTIFICATION (CSU)

This course covers Refrigerant Management including the EPA Section 608 ruling, the Montreal Protocol, Ozone depletion and Global Warming. Preparatory course for the EPA section 608 technician certification. Type I, II, III, and Universal Certification.

NOTE: Certification test will be available at the end of the semester for an additional fee.

7866 4:20 hrs/wk TBA ON LINE

Please visit the online program homepage at <http://moodle.lattc.edu> prior to the start of class for directions.

## REFRIGERATION & AIR CONDITIONING MECHANICS 209 4.00 Units NORTH AMERICAN TECHNICIAN EXCELLENCE (NATE)-AIR CONDITIONING SPECIALIST CERTIFICATION PREPARATION (RP

This course is a preparatory course for the industry standard NATE A/C Specialist certification examination. Topics covered in this course include safety, thermodynamics, electrical system diagnostics, airflow measurements, mechanical code, installation, service, tools, and more!

7867 4:20 hrs/wk TBA ON LINE

Please visit the online program homepage at <http://moodle.lattc.edu> prior to the start of class for directions.

## REFRIGERATION & AIR CONDITIONING MECHANICS 941 4.00 Units COOPERATIVE EDUCATION-REFRIGERATION & AIR CONDITIONING MECH

See Co-op Education page in the back of the schedule for meeting days and times. Cooperative Education is a work experience program involving the employer, the student-employee and the college to insure that the student receives on the job training and the unit credit for work experience or volunteer work/internship. Completion of at least seven units, including Cooperative Education, at the end of the semester is required. Students must be employed or volunteering/interning in order to participate in program.

9192 4:25 hrs/wk TBA CY/ D236

# SPRING 2015 Class Schedule

February 9 to June 6



## SIGN GRAPHICS

Chair: Carole Anderson, Cypress Hall - CY/D-222, (213) 763-3642

### SIGN GRAPHICS 101 INDIVIDUAL LETTERING 10.00 Units

Instruction covers identification of materials, tools, and brushes. Training is offered in drawing and brush lettering Gothic, Roman, Script, and casual letter styles. This course also includes training in techniques of layout, letter spacing, color mixing in reference to the production and sale of temporary signs. Students prepare showcards, paper signs, and other temporary display saleable items.

7215 7:00am - 8:25am TWThF SA/ H204  
&lab 8:25am - 12:40pm TWThF SA/ H204

### SIGN GRAPHICS 102 EXTERIOR DISPLAY SIGNS 10.00 Units

Prerequisite: Sign Graphics 101;

This course covers the tools and materials used to produce outdoor signs. In addition, students design, paint, and letter signs inside and outside the classroom. Students will work on a variety of materials including: canvas, plywood, aluminum, and plastic substrates. Introduction to computer generated lettering and application techniques for vinyl letters. Instruction will emphasize sign layout and design. Students will produce a 4/X8' plywood sign and an exterior wall sign.

7216 7:00am - 8:25am TWThF SA/ H204  
&lab 8:25am - 12:40pm TWThF SA/ H204

### SIGN GRAPHICS 103 WINDOW SIGNS 10.00 Units

Prerequisite: Sign Graphics 102;

Instruction covers the use of specialized tools and materials used to produce window signs. Training includes painting on exterior and reverse windows, stippling techniques, and applications of vinyl letters on glass, both exterior and reverse. In addition, students will paint a temporary splash window and apply 23K gold leaf (water gilding). Intermediate computer design including the use of plotters and application techniques.

7217 7:00am - 8:25am TWThF SA/ H204  
&lab 8:25am - 12:40pm TWThF SA/ H204

### SIGN GRAPHICS 104 ADVANCE COMPUTER & DESIGN 10.00 Units

Prerequisite: Sign Graphics 103;

Students will learn advanced design techniques, backgrounds, and color theory. Practical experience will be gained on advanced computer study, applications, and a variety of computer sign software. In addition, information will be given on small business practices - including management and pricing. Students will produce a sandblasted sign, a custom contour-cut sign, and an antique sign,

7218 7:00am - 8:25am TWThF SA/ H204  
&lab 8:25am - 12:40pm TWThF SA/ H204

### SIGN GRAPHICS 201 FUNDAMENTALS OF MURAL PAINTING 2.00 Units

This course will teach basic mural painting techniques including; design, layout, and execution. Students will be introduced to the proper tools and paints for exterior, long term murals.

7225 lab 8:00am - 2:45pm SAT SA/ H204

### SIGN GRAPHICS 203 SILK SCREEN PROCESSING 1 (RPT 1) 2.00 Units

This course will provide an introduction to the screen printing trade. Students will learn to make silk screens and will learn about copy preparation, mesh selection, frames, stencil systems, printing techniques, ink & substrate compatibility, reclamation of screens. Students will print on a variety of surfaces.

7222 9:00am - 3:45pm SAT SA/ H230

### SIGN GRAPHICS 204 SILK SCREEN PROCESSING II 2.00 Units

Prerequisite: Sign Graphics 203.

Students will be introduced to the use of solvent based inks; including; color mixing, application, and clean-up. This course also offers practice on a variety of substrates and uses including four color process printing.

7223 lab 9:00am - 3:45pm SAT SA/ H230

### SIGN GRAPHICS 212 2.00 Units

#### SIGN DESIGN AND LAYOUT

7226 7:00am - 8:10am M SA/ H204  
& lab 8:10am - 10:25am M SA/ H204

## SOCIOLOGY

Chair: Freddie McClain, Aspen Hall - AH/TE-516, (213) 763-3936

### SOCIOLOGY 001 3.00 Units

#### INTRODUCTION TO SOCIOLOGY (UC:CSU)

This course is designed to acquaint students with the major principles of sociology as they are applied to contemporary social issues. With the use of several theoretical perspectives it examines social structures within American society and other cultures from macro and micro perspectives. There are extensive references to contemporary research findings on social structure, group dynamics, social stratification, and social institutions.

1051 10:10am - 11:35am MW AH/T E323  
1053 11:45am - 1:10pm MW AH/T E323  
1054 10:10am - 11:35am TTh AH/T E323  
1055 11:45am - 1:10pm TTh AH/T E323  
3664 6:00pm - 9:10pm T AH/T E323  
3665 6:00pm - 9:10pm Th AH/T E323

7983 3:15 hrs/wk TBA ON LINE

Please visit the online program homepage at <http://moodle.lattc.edu> prior to the start of class for directions.

**Sociology 11** is also offered through ITV. Please visit [www.lamission.edu/itv](http://www.lamission.edu/itv). Telephone: (818) 833-3594 or (800) 917-9277

### SOCIOLOGY 002 3.00 Units

#### AMERICAN SOCIAL PROBLEMS (UC:CSU)

This course provides identification and analysis of contemporary social problems in the United States with an attempt to establish criteria by which an individual can judge the probable effectiveness of various schemes for social betterment.

1058 8:35am - 10:00am TTh AH/T E323

### SOCIOLOGY 028 3.00 Units

#### THE FAMILY: A SOCIOLOGICAL APPROACH (UC:CSU)

This course provides a sociological analysis which contributes to an understanding of the origin, structure, and functions of marriage and family life. This course includes, but is not limited to, studies of gender roles, legal controls, religious attitudes, mixed marriages and financial and family planning.

1059 8:35am - 10:00am MW AH/T E323

## SOLID WASTE MANAGEMENT TECHNOLOGY

Chair: William Elarton, Sequoia Hall - SQ/B-122, (213) 763-3701

### SOLID WASTE MANAGEMENT TECHNOLOGY 101 3.00 Units

#### INTRODUCTION TO SOLID WASTE MANAGEMENT

This course offers instruction in the fundamentals of solid waste management including characteristics of solid wastes, refuse storage, collection, transportation, disposal methods, financing methods, and solid waste planning.

4189 6:00pm - 9:10pm Th OH/ F223

### SOLID WASTE MANAGEMENT TECHNOLOGY 108 3.00 Units

#### SOLID WASTE FACILITIES

This course covers history and legislation of solid waste generation, and the need for effective transfer stations and landfills. It contains an overview of the handling of materials for both resource recovery and disposition of hazardous and non-hazardous waste. The future needs of the public and private sectors are studied.

4179 6:00pm - 9:10pm M OH/ F223

# SPRING 2015 Class Schedule

February 9 to June 6

## SPANISH

Chair: John Glavan, Aspen Hall - AH/TE-520, (213) 763-3931

### SPANISH 001 ELEMENTARY SPANISH I (UC:CSU) 5.00 Units

This course stresses the fundamentals of pronunciation and grammar, practical vocabulary, useful phrases, and the ability to understand, read, write and speak simple Spanish. It includes basic facts on geography, customs, and culture of Spain and Latin America.

1453	8:35am - 11:05am	MW	OH/ F227
1454	8:35am - 11:05am	TTh	OH/ F227
1455	11:45am - 1:45pm	MW	OH/ F227
1456	9:00am - 2:20pm	SAT	OH/ F224
3861	6:45pm - 9:15pm	MW	OH/ F227

### SPANISH 002 ELEMENTARY SPANISH II (UC:CSU) 5.00 Units

Prerequisite: Spanish 1; Spanish 22;

This course is a continuation of Spanish 1. It stresses further aspects of pronunciation and grammar, practical vocabulary, useful phrases, and the ability to understand, read, write and speak Spanish. It includes further facts on geography, customs, and culture of Spain and Latin America.

1457	8:35am - 11:05am	TTh	AH/T E210
3862	6:45pm - 9:15pm	TTh	OH/ F227

### SPANISH 035 SPANISH FOR SPANISH SPEAKERS I (UC:CSU) 5.00 Units

This course addresses the needs of the native Spanish speaking student. It focuses on the acquisition of a solid grammar base, vocabulary enrichment, spelling, reading, and writing skills. Also included is a study of linguistic variants in the Spanish language and of Spanish and Latin American literature, culture, and civilization.

1458	8:35am - 11:05am	MW	OH/ F223
1459	9:00am - 2:20pm	SAT	OH/ F227

### SPANISH 036 SPANISH FOR SPANISH SPEAKERS II (UC:CSU) 5.00 Units

This course is a continuation of Spanish 35 and it completes the study of grammar and continues the development of reading and writing skills.

3863	9:00am - 2:20pm	F	OH/ F227
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## SUPERVISED LEARNING ASSISTANCE

Chair: Christina Anketell, Mariposa Hall - MA-2xx, (213) 763-3741

### SUPERVISED LEARNING ASSISTANCE 001T 0.00 Unit SUPERVISED LEARNING ASSISTANCE (NDA) (RPT 9)

8951	20:00 hrs/wk	TBA	MA 109A-1
8955	17:40 hrs/wk T	BA	TBA

## SUPERVISION

Dean: Nicole Albo-Lopez, Aspen Hall - AH/TE-511, (213) 763-7025

### SUPERVISION 001 ELEMENTS OF SUPERVISION (CSU) 3.00 Units

This course covers the theory and principles of supervision, as well as the supervisor's responsibilities for organization, human relations, training, rating, quality-quantity control, and management-employee relations.

3074	6:00pm - 9:10pm	Th	CH/ K208
3075	10:20am - 11:45am	MW	CH/ K208

### SUPERVISION 003 3.00 Units

#### HUMAN RELATIONS (DEVELOPING SUPERVISORY LEADERSHIP)

Instruction will focus on those human relation skills the supervisory student needs to be well rounded and thoroughly prepared for a work environment characterized by economic volatility, constant change and a new level of competitiveness. This interpersonal skills approach places greater emphasis on the application of knowledge through practice, followed by feedback and reinforcement.

0260	10:20am - 11:45am	TTh	CH/ K208
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### SUPERVISION 011 ORAL COMMUNICATIONS 3.00 Units

This course will focus on the basics of the oral communication process and how it is intertwined with the work of a supervisor. Students will plan, compose, and deliver oral presentations designed to strengthen verbal and nonverbal skills. Finally, the student will be exposed to the basic principles of management and supervision and how successful communication is fundamental to the success of supervisors.

0259	11:00am - 12:25pm	MW	CH/ K210
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## SUPPLY WATER TECHNOLOGY

Chair: William Elarton, Sequoia Hall - SQ/B-122, (213) 763-3701

### SUPPLY WATER TECHNOLOGY 002 MODERN WATER WORKS II 3.00 Units

This is an advanced course in water distribution systems. Included are special considerations of pipe types and uses, reservoirs, maps, records applied hydraulics as applied to Distribution Systems. Emphasis will be placed on the practical layout, operation and maintenance of a water distribution system. Students are prepared for a Grade 2 Distribution Operation Certification of the AWWA.

4114	9:00am - 12:10pm	SAT	OH/ F208
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### SUPPLY WATER TECHNOLOGY 004 WATER PURIFICATION I (POTABLE WATER) 3.00 Units

This beginning course in water treatment covers public health, water quality control, and operation and maintenance. The student is prepared for the Grade 1 and 2 Treatment Certification by the State Department of Health.

4112	1:00pm - 4:10pm	SAT	OH/ F208
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## TAILORING

Chair: Carole Anderson, Cypress Hall - CY/D-222, (213) 763-3642

### TAILORING 250 TAILORING TECHNIQUES I 2.00 Units

Advisory: Fashion Design 222 or Fashion Design 111;

Training is offered in basic tailoring techniques. Students be instructed in welt pockets, hand tailored stitching, and finishing techniques. This course will consist of a basic and stylized tailored vest.

4315 lab	6:00pm - 9:10pm	MW	CY/ D331
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### TAILORING 251 TAILORING TECHNIQUES II 2.00 Units

Prerequisite: Tailoring 226 or Tailoring 250.

Students will receive training on trousers and casual men's style jackets. Instruction will include fly closures, welt pockets, and half linings, and jacket tailoring techniques.

4316 lab	6:00pm - 9:10pm	MW	CY/ D331
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### TAILORING 252 TAILORING TECHNIQUES III 2.00 Units

Prerequisite: Tailoring 227 or Tailoring 251.

Students receive training in tailored coats, men's style shirts. Instruction will include stylized seams, cold weather techniques.

4317 lab	6:00pm - 9:10pm	MW	CY/ D331
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### TAILORING 253 TAILORING TECHNIQUES IV 2.00 Units

Prerequisite: Tailoring 228 or Tailoring 252.

Students will receive instruction on man's style tailored jacket including inner construction using traditional tailoring techniques.

4318 lab	6:00pm - 9:10pm	MW	CY/ D331
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### TAILORING 255 MEN'S PATTERN DRAFTING I 2.00 Units

In this course students will learn the fundamentals of taking and using men's measurements for pattern making. Students will draft patterns for basic trousers, men's sport shirts, and a basic man's vest. Each pattern will be tested for fit.

7228 lab	8:35am - 3:05pm	SAT	CY/ D230
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# SPRING 2015 Class Schedule

February 9 to June 6

## **TAILORING 256** **2.00 Units**

### **MEN'S PATTERN DRAFTING II**

This course in men's pattern making will introduce students to advanced styling including, jackets, and stylized pants. Students will make complete patterns for each element of a three piece suit.

7229 lab 8:35am - 3:05pm SAT CY/ D230

## **THEATER**

Chair: John Glavan, Aspen Hall - AH/TE-520, (213) 763-3931

## **THEATER 100** **3.00 Units**

### **INTRODUCTION TO THE THEATER (UC:CSU)**

This course surveys the history of theater from the ancient Greek to modern times. Stage vocabulary, production crafts and acting techniques are introduced. Students will analyze how theater relates to motion pictures, television, and radio in contemporary American life, as well as compare themes in literature, compare and contrast adaptations of famous plays to their original written form and apply critical analysis to live dramatic productions.

1460 11:45am - 1:10pm TTh MH 308

3870 6:00pm - 9:10pm M MH 305

## **VISUAL COMMUNICATIONS**

Chair: Carole Anderson, Cypress Hall, CY/D222, (213) 763-3642

## **VISUAL COMMUNICATIONS 100** **2.00 Units**

### **GRAPHIC DESIGN I (CSU)**

An introduction to the profession of Graphic Design. Projects will stress design basics, typography, the computer as a design tool, the basics of visual problem solving, and art production and advertising.

7253 7:00am - 7:35am TW CY/ D330

& lab 7:35am - 12:20pm TW CY/ D330

(8 Week Class - Starts 2/9/2015, Ends 4/3/2015)

## **VISUAL COMMUNICATIONS 103** **2.00 Units**

### **BASIC COMPUTER SYSTEMS (CSU)**

Introduction to using the Macintosh computer for graphic design. Students will learn basic computer functionality, with an emphasis on an understanding of the operations systems, configuration for use with graphic applications, file management and working in a network environment.

7254 7:00am - 7:35am ThF CY/ D303

& lab 7:35am - 12:20pm ThF CY/ D303

(8 Week Class - Starts 2/9/2015, Ends 4/3/2015)

## **VISUAL COMMUNICATIONS 105** **2.00 Units**

### **DIGITAL PREPRESS I (CSU)**

Beginning level course in the preparation of art for the reproduction process, and its application to the industries of Advertising and Graphic Design. Students will study the history of graphic design, typesetting, paste-up to digital prepress (in black and white and two color reproduction) as an emphasized focus within the course.

7255 7:00am - 7:35am TW CY/ D303

& lab 7:35am - 12:20pm TW CY/ D303

(9 Week Class - Starts 4/13/2015, Ends 6/7/2015)

## **VISUAL COMMUNICATIONS 106** **2.00 Units**

### **DRAWING I (CSU)**

Introduction to concepts of basic observational drawing, perspective and the principles of light and shade. Black and white and color mediums will be utilized.

7256 7:00am - 7:35am ThF CY/ D301

& lab 7:35am - 12:20pm ThF CY/ D301

(9 Week Class - Starts 4/13/2015, Ends 6/7/2015)

## **VISUAL COMMUNICATIONS 108** **2.00 Units**

### **2-D DESIGN FUNDAMENTALS (CSU)**

A course in the principles and elements of 2D design. Principles of unity, variety, emphasis, balance and proportion guide every mark a designer creates. Elements of line, shape, form, value, color, and texture provide for a control that all visual artists seek as they manipulate their work.

7257 11:40am - 2:00pm M CY/ D302

## **VISUAL COMMUNICATIONS 112** **2.00 Units**

### **DIGITAL PREPRESS II (CSU)**

Intermediate level course where students design and produce projects that utilize the Macintosh computer. Line art projects in single color and two colors are created in Adobe Illustrator. Technical processes for reproduction will be covered with instruction in the use of QuarkXPress.

7258 7:00am - 7:35am TW CY/ D303

& lab 7:35am - 12:20pm TW CY/ D303

(8 Week Class - Starts 2/9/2015, Ends 4/3/2015)

## **VISUAL COMMUNICATIONS 114** **2.00 Units**

### **DIGITAL TYPESETTING (CSU)**

Introduction of the principles of computer typesetting as a career. The course will cover the standards and guidelines used to set type for ads, brochures, and stationary. Proofreading and setting copy in multiple computer programs will be stressed.

7259 7:00am - 7:35am ThF CY/ D302

& lab 7:35am - 12:20pm ThF CY/ D302

(8 Week Class - Starts 2/9/2015, Ends 4/3/2015)

## **VISUAL COMMUNICATIONS 115** **2.00 Units**

### **GRAPHIC DESIGN II (CSU)**

Intermediate level course that will stress Graphic Design as a profession. Problems will emphasize the development of creativity, typography as communication, art production and the computer, and methods for developing brochures, ads and web pages.

7260 7:00am - 7:35am TW CY/ D302

& lab 7:35am - 12:20pm TW CY/ D302

(9 Week Class - Starts 4/13/2015, Ends 6/7/2015)

## **VISUAL COMMUNICATIONS 116** **2.00 Units**

### **THREE-DIMENSIONAL PACKAGE DESIGN (CSU)**

Introduction to the development of advertising concepts for magazines, television, and the internet. Use research, brainstorming and standard advertising methodology to plan, design and produce an advertising campaign.

7261 7:00am - 7:35am ThF CY/ D302

& lab 7:35am - 12:20pm ThF CY/ D302

(9 Week Class - Starts 4/13/2015, Ends 6/7/2015)

## **VISUAL COMMUNICATIONS 118** **2.00 Units**

### **DIGITAL DRAWING (CSU)**

Advisory: Visual Communications 103; Basic training in computer illustration using the Adobe software application Illustrator. Toolbox familiarity and manipulation, menus items, and general skill application will

constitutes this beginning level course.

7262 7:00am - 8:00am M CY/ D330

& lab 8:00am - 11:30am M CY/ D330

## **VISUAL COMMUNICATIONS 119** **2.00 Units**

### **DIGITAL PAGE LAYOUT (CSU)**

Prerequisite: Visual Communications 103;

A hands on course in the use of the relevant industry pagination software. These applications are used for designing brochures, ads, flyers, stationery, magazines, and books. Students will learn how to work seamlessly with other applications. Students will learn to set up and construct page layouts and how to use software applications as design tools. Students will learn how to specify type, set type for columns, work with spreads and long copy documents using fonts and photos. In addition, students will create spot illustration drawings and graphics. Preflight and final preparation of finished art work for printing.

7263 12:30pm - 2:55pm W CY/ D303

## **VISUAL COMMUNICATIONS 120** **2.00 Units**

### **DRAWING II (CSU)**

An advanced drawing course in which indoor and outdoor observational drawing concepts are linked with magazine and book publishing for the creation of cover art and feature article page layouts.

7264 7:00am - 7:35am TW CY/ D301

& lab 7:35am - 12:20pm TW CY/ D301

(8 Week Class - Starts 2/9/2015, Ends 4/3/2015)



# SPRING 2015 Class Schedule

February 9 to June 6



**VISUAL COMMUNICATIONS 124  
COMPUTER ILLUSTRATION I (CSU)** **2.00 Units**  
An intermediate level course in digital picture making techniques. It combines the Adobe software applications "Illustrator" and "Photoshop" for the creation of digital illustrations that include drawing, photo manipulations, and typography stylizations for advertising and editorial purposes.  
7265 7:00am - 7:35am ThF CY/ D330  
&lab 7:35am - 12:20pm ThF CY/ D330  
**(8 Week Class - Starts 2/9/2015, Ends 4/3/2015)**

**VISUAL COMMUNICATIONS 126  
PORTFOLIO DEVELOPMENT I (CSU)** **2.00 Units**  
This is a course in the production of a finished portfolio; all course projects will be reviewed for portfolio consideration. Some projects will require reworking. Preparation of 10 completed works with preliminary developmental books culminates in a simulated job interview with Advisory Board members.  
7266 7:00am - 7:35am TW CY/ D330  
&lab 7:35am - 12:20pm TW CY/ D330  
**(9 Week Class - Starts 4/13/2015, Ends 6/7/2015)**

**VISUAL COMMUNICATIONS 127  
DIGITAL PREPRESS III (CSU)** **2.00 Units**  
An advanced course in digital prepress. Students will utilize photographic images, typography, and original artwork to create printing files for advertising and graphic design. Advanced Macintosh based theories will be covered to include Adobe Illustrator and Photoshop, and QuarkXPress.  
7267 7:00am - 7:35am ThF CY/ D303  
&lab 7:35am - 12:20pm ThF CY/ D303  
**(9 Week Class - Starts 4/13/2015, Ends 6/7/2015)**

**VISUAL COMMUNICATIONS 129  
DIGITAL PHOTO MANIPULATION (CSU)** **2.00 Units**  
An introductory course that concentrates on the software application Adobe Photoshop. Students will be instructed on how to use this application to create original art and graphics by manipulating scanned photography and other imagery.  
7269 12:45pm - 1:45pm T CY/ D330  
&lab 1:45pm - 3:00pm Th CY/ D330

**VISUAL COMMUNICATIONS 130  
DRAWING III (CSU)** **2.00 Units**  
An advanced drawing course in which quick observational drawings are refined in black and white and color mediums. Renderings, or more highly refined tonal work, will be performed in dry and wet mediums from indoor and outdoor locations.  
7270 7:00am - 7:35am TW CY/ D301  
&lab 7:35am - 12:20pm TW CY/ D301  
**(8 Week Class - Starts 2/9/2015, Ends 4/3/2015)**

**VISUAL COMMUNICATIONS 131  
COMPUTER ILLUSTRATION II (CSU)** **2.00 Units**  
An advanced course in digital picture-making techniques. It combines the Adobe software applications "Illustrator" and "Photoshop" for the creation of digital illustrations that include drawing, photo manipulations, and typography stylizations for advertising and editorial purposes.  
7271 7:00am - 7:35am ThF CY/ D330  
&lab 7:35am - 12:20pm ThF CY/ D330  
**(8 Week Class - Starts 2/9/2015, Ends 4/3/2015)**

**VISUAL COMMUNICATIONS 132  
PORTFOLIO DEVELOPMENT II (CSU)** **2.00 Units**  
An advanced course in the production of a finished portfolio. Preparation of 10 completed works with preliminary developmental books culminates in a simulated job interview with Advisory Board members.  
7272 7:00am - 7:35am TW CY/ D330  
&lab 7:35am - 12:20pm TW CY/ D330  
**(9 Week Class - Starts 4/13/2015, Ends 6/7/2015)**

**VISUAL COMMUNICATIONS 133  
DIGITAL PORTFOLIO PREPARATION (CSU)** **2.00 Units**  
7273 7:00am - 7:35am ThF CY/ D303  
&lab 7:35am - 12:20pm ThF CY/ D303  
**(9 Week Class - Starts 4/13/2015, Ends 6/7/2015)**

**VISUAL COMMUNICATIONS 134  
GRAPHIC DESIGN BUSINESS PRACTICES (CSU)** **2.00 Units**  
Introduction to the financial aspects of running a Graphic Design business. Lecture and projects will include billing procedures, business overhead costs, taxes and retirement planning. Taxes, small business legal issues and understanding business ethics are stressed.  
7275 7:00am - 9:15am M CY/ D302

**VISUAL COMMUNICATIONS 135  
WEB PAGE GRAPHICS ON THE MACINTOSH (CSU)** **2.00 Units**  
An introductory course in the use of the Macintosh computer to construct web page graphics for the internet. Macromedia Dreamweaver is utilized and particular emphasis is placed on the construction process, design, art and photographic images, typography, RGB Color, HTML and DHTML.  
7274 9:30am - 11:45am M CY/ D303  
&lab 11:45am - 2:00pm M CY/ D303

## WASTEWATER TECHNOLOGY

Chair: William Elarton, Sequoia Hall - SQ/B-122, (213) 763-3701

**WASTEWATER TECHNOLOGY 012  
WASTEWATER OPERATIONS I** **3.00 Units**  
This course is a survey and introductory course into wastewater systems for operations and maintenance personnel. Administrative, engineering and laboratory personnel may benefit from this course.  
8011 6:00pm - 9:20pm T OH/ F214

**WASTEWATER TECHNOLOGY 017  
WASTEWATER OPERATIONS VI** **3.00 Units**  
Public health, the environment, regulations, management/supervision and report writing as practiced in wastewater and water reclamation plants safety are covered.  
8013 6:00pm - 9:10pm Th OH/ F223

## WELDING GAS AND ELECTRIC

Chair: William Elarton, Sequoia Hall - SQ/B-122, (213) 763-3701

**WELDING GAS AND ELECTRIC 101  
FLUX CORED ARC WELDING** **6.00 Units**  
This course provides instructions on the principles, equipment, welding techniques, mode of operations, and safety for flux cored arc welding used for structural steel. The course content follows the FCAW competencies published in American Welding Society Guide for the Training of Welding Personnel: Level I Entry. This course prepares student for the performance portion of the Los Angeles Department of Building and Safety Structural Steel Certified Field Welder Examination.  
8009 11:45am - 1:20pm M OH/ F151  
&lab 7:00am - 10:10am MTWThF OH/ F156

**WELDING GAS AND ELECTRIC 102  
PIPE HORIZONTAL(2G) AND UPHILL(5G) (NDA) (RPT 3)** **3.00 Units**  
This course provide instruction on welding carbon steel pipe to requirements of the American Society of Manufacturing Engineers Boiler and Pressure Vessel Code-Section 9 Welding and Brazing Qualification using the shielded metal arc welding process. The course objective requires proficiency in producing high quality welds on 6 inch diameter schedule 80 pipe in the 2G and 5G welding positions.  
4809 6:00pm - 6:45pm MT OH/ F156  
& lab 6:45pm - 9:10pm MT OH/ F156

**WELDING GAS AND ELECTRIC 112  
WELDING RELATED TECHNICAL INSTRUCTIONS I** **3.00 Units**  
This course will cover the principles of oxy-acetylene welding, brazing and cutting; safety, material selection, equipment assembly, fuels torch adjustments, and movements.  
8202 10:10am - 1:20pm T OH/ F151

# SPRING 2015 Class Schedule

February 9 to June 6



**WELDING GAS AND ELECTRIC 113** **3.00 Units**  
**APPLIED MATHEMATICS I**

Elementary arithmetic problems related to welding technology and solutions of whole numbers, fractions, and decimals.

8024 10:10am - 1:20pm F OH/ F151

**WELDING GAS AND ELECTRIC 121** **6.00 Units**  
**ETRIC WELDING I**

Students perform basic manipulative exercises in electric welding using low alloy and mild steel materials in all positions, safety precautions, and fire prevention.

8220 lab 7:00am - 10:10am MTWThF OH/ F156  
 & 10:10am - 11:45am M OH/ F151

**WELDING GAS AND ELECTRIC 124** **3.00 Units**  
**BLUEPRINT READING I**

This course covers the principles of reading and interpreting basic industrial blueprints as applied to the welding trade.

8201 10:10am - 1:20pm T OH/ F150  
 8221 1:40pm - 4:50pm T OH/ F150

**WELDING GAS AND ELECTRIC 125** **3.00 Units**  
**APPLIED MATHEMATICS II**

Prerequisite: Welding 111; Welding 112; Welding 113;

Related mathematical problems in welding in project design and construction using the fundamental principles of algebra.

8014 10:10am - 1:20pm F OH/ F150

**WELDING GAS AND ELECTRIC 131** **6.00 Units**  
**ETRIC WELDING II**

This course will offer students an opportunity to prepare for certification testing in SMAW. There will be opportunities for improvement through supervised practice and individual coaching in SMAW technique.

8019 11:45am - 1:20pm M OH/ F150  
 &lab 7:00am - 10:10am MTWThF OH/ F156

**WELDING GAS AND ELECTRIC 132** **3.00 Units**  
**BLUEPRINT READING II**

Prerequisite: Welding 113;

The course covers the principles of lines, view, size, description, print formats, fasteners, and different types of fabrication drawings; review of industrial welding prints.

8224 10:10am - 1:20pm Th OH/ F151

**WELDING GAS AND ELECTRIC 133** **3.00 Units**  
**WELDING RELATED TECHNICAL INSTRUCTION III**

The course places an emphasis on materials, design, assembly procedures, electrodes selection, equipment, welding joints, terminology, welding metallurgy, and preparation for AWS and ASME welding examination.

8225 10:10am - 1:20pm W OH/ F151

**WELDING GAS AND ELECTRIC 141** **6.00 Units**  
**ETRIC WELDING III**

Students complete activities in sheet metal welding, cast iron welding, inert gas welding (MIG and TIG) and semi-automatic gas shielded welding.

8203 lab 7:00am - 10:10am MTWThF OH/ F150  
 & 10:10am - 11:45am M OH/ F150  
 8240 9:30am - 11:05am F OH/ F231  
 & lab 11:05am - 2:45pm MTWThF OH/ F156

**WELDING GAS AND ELECTRIC 142** **3.00 Units**  
**INERT GAS WELDING (TIG & MIG)**

The course covers principles in welding aluminum, stainless steel, carbon steel and the maintenance and operation of welding equipment.

8204 10:10am - 1:20pm T OH/ F150  
 8241 9:30am - 11:05am MW OH/ F231

**WELDING GAS AND ELECTRIC 143** **3.00 Units**  
**WELDING RELATED TECHNICAL INSTRUCTION IV**

The course covers the principles and theory of operating semi-automatic gas shielded welding equipment and the metallurgy of metals.

8205 10:10am - 1:20pm W OH/ F150  
 8242 9:30am - 11:05am TTh OH/ F231

**WELDING GAS AND ELECTRIC 200** **3.00 Units**  
**METAL SCUPTURE II**

Prerequisite: Welding 100.

Expand beginning welding skills and metal working techniques into an exploration of metal sculpture. This course covers hot and cold working of steel. Shielded metal arc welding, oxy-fuel and plasma arc cutting, weld design and finishing techniques.

Technical skills will be emphasized through hands on instruction and practice. There will be opportunity for creative expression and practical application.

4808 8:00am - 9:30am SAT OH/ F 151A  
 &lab 9:30am - 2:30pm SAT OH/ F156

**WELDING GAS AND ELECTRIC 210** **2.00 Units**  
**METAL SCULPTING LABORATORY**

Prerequisite: Welding 100.

Expand beginning welding skills and metal working techniques into an exploration of metal sculpture.

4811 lab 8:00am - 2:30pm SAT OH/ F156

# SPRING 2015 Class Schedule

February 9 to June 6



**8 WEEK CLASSES** All classes are approved for transfer to the UCs and CSUs and meet graduation requirements at all LACCD Colleges. Transcripts are issued by L.A. Mission College.

Attend only one class meeting at any location. Classes are taught by the same instructor at each campus. All classes use a blended format combining weekend class meetings with video lessons and online activities.

Use the Student Information System to enroll, select ITV as the campus. For questions or assistance with registration, call 818/833-3595. Students are advised to speak with a College Counselor when planning their academic program. Financial aid is available for qualified students; fee waivers also apply to these classes.

For classroom locations, go to [www.lamission.edu/itv](http://www.lamission.edu/itv)

Saturdays at Southwest & City Colleges • Sundays at Pierce & Valley Colleges • First college is AM / Second is PM

## SESSION A Spring 2015 February 9 - April 12

Classes	Section	Saturday Campus	Sunday Campus
Anthropology 101	7285	C/SW	P/V
Economics 1	7286	C/SW	P/V
English 101	7287	C/SW	P/V
Health 11	7288	C/SW	P/V
History 11	7289	C/SW	P/V
Mathematics 125	7290	SW/C	V/P
Oceanography 1	7291	SW/C	V/P
Philosophy 1	7292	SW/C	V/P
Political Science 1	7293	SW/C	V/P
Psychology 1	7294	SW/C	V/P

No class meetings: February 14 & 15, 2015  
Saturday class meetings: February 21-April 11  
Sunday class meetings: February 22-April 12  
Spring Break: April 4-10, 2015

Last Day To: ADD classes February 19, with instructor approval  
Drop without incurring fees: February 20, 2015  
Drop without receiving a "W": February 20, 2015

## SESSION B Spring 2015 April 13 - June 7

Classes	Section	Saturday Campus	Sunday Campus
Anthropology 102	7295	C/SW	P/V
English 102	7296	C/SW	P/V
Health 11	7297	C/SW	P/V
History 12	7298	C/SW	P/V
Mathematics 227	7299	SW/C	V/P
Political Science 1	7201	SW/C	V/P
Psychology 41	7202	SW/C	V/P
Sociology 1	7203	SW/C	V/P

Saturday class meetings: April 18-June 6  
Sunday class meetings: April 19-June 7

Last Day To: ADD classes April 23, with instructor approval  
Drop without incurring fees: April 22, 2015  
Drop without receiving a "W": April 22, 2015

## Blended Format Classes

## SUMMER SESSION June 15 - August 2

Classes	Section	Saturday Campus	Sunday Campus
Anthropology 101	7204	C/SW	P/V
Economics 1	7205	C/SW	P/V
English 101	7206	C/SW	P/V
Health 11	7207	C/SW	P/V
History 11	7208	C/SW	P/V
Mathematics 227	7209	SW/C	V/P
Oceanography 1	7210	SW/C	V/P
Philosophy 1	7211	SW/C	V/P
Political Science 1	7212	SW/C	V/P
Psychology 41	7213	SW/C	V/P

No classes Saturday, July 4, 2015  
Saturday class meetings: June 20-August 1  
Sunday class meetings: June 21-April 2

Last Day To: ADD classes June 25, with instructor approval  
Drop without incurring fees: June 19, 2015  
Drop without receiving a "W": June 29, 2015

## Video Lessons • Online Discussion Weekend Meetings

Website: [www.lamission.edu/itv](http://www.lamission.edu/itv) • Telephone: 818/833-3594 or 800/917-9277

Material available in alternate media format upon request



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Los Angeles, CA 90015