## ACCOUNTING

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

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
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<tbody>
<tr>
<td>001</td>
<td>INTRODUCTORY ACCOUNTING I (UC:CSU)</td>
<td>5.00</td>
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<tr>
<td>011</td>
<td>COST ACCOUNTING (CSU)</td>
<td>3.00</td>
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<tr>
<td>015</td>
<td>TAX ACCOUNTING I (CSU)</td>
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<tr>
<td>017</td>
<td>COMPUTERIZED PAYROLL ACCOUNTING</td>
<td>3.00</td>
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<tr>
<td>021</td>
<td>BOOKKEEPING AND ACCOUNTING I (UC:CSU)</td>
<td>3.00</td>
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<tr>
<td>025</td>
<td>AUTOMATED ACCOUNTING METHODS AND PROCEDURES (CSU)</td>
<td>3.00</td>
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</table>

**Description:**
- **ACCOUNTING 001**: 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.
- **ACCOUNTING 011**: This course provides complete analytical application and an advanced review of topics discussed in Accounting I and II. Topics include asset and liability accounts, investments, financial statements, income taxes, receivables, stockholders equity, revenue recognition, asset acquisition and leases. This course places a high emphasis on financial reporting standards.
- **ACCOUNTING 015**: This course is a study of Federal Income Taxes as they apply to individuals and sole proprietors. Procedures and techniques for preparing and analyzing income tax returns are emphasized.
- **ACCOUNTING 018**: 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.
- **ACCOUNTING 021**: 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.
- **ACCOUNTING 025**: 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.

## ADMINISTRATION OF JUSTICE

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

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tr>
<td>002</td>
<td>CONCEPTS OF CRIMINAL LAW (UC:CSU)</td>
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<tr>
<td>052</td>
<td>INTRODUCTION TO FORENSIC PSYCHOLOGY (CSU)</td>
<td>3.00</td>
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<tr>
<td>053</td>
<td>INTRODUCTION TO CORRECTIONS (CSU)</td>
<td>3.00</td>
</tr>
<tr>
<td>075</td>
<td>ADMINISTRATION OF JUSTICE</td>
<td>3.00</td>
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<tr>
<td>085</td>
<td>ADMINISTRATION OF JUSTICE</td>
<td>4.00</td>
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**Description:**
- **ADMINISTRATION OF JUSTICE 002**: 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.
- **ADMINISTRATION OF JUSTICE 052**: 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.
- **ADMINISTRATION OF JUSTICE 085**: Prerequisite: American Sign Language I. This is an intermediate course in American Sign Language with special emphasis on vocabulary, grammar, and on the improvement of expressive and receptive skills. This course includes exposure to deaf culture and the history of sign languages.

## AMERICAN SIGN LANGUAGE

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

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<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tr>
<td>001</td>
<td>AMERICAN SIGN LANGUAGE I (UC:CSU)</td>
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<tr>
<td>002</td>
<td>AMERICAN SIGN LANGUAGE II (UC:CSU)</td>
<td>4.00</td>
</tr>
</tbody>
</table>

**Description:**
- **AMERICAN SIGN LANGUAGE 001**: 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.
- **AMERICAN SIGN LANGUAGE 002**: This course provides instruction in the origins, development and philosophy of criminal law. Topics include the Federal and California Penal Codes, interpretation and application of laws, identifying elements of property crimes and criminal liability.
- **AMERICAN SIGN LANGUAGE 003**: 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.
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 &lab 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

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

ANTHROPOLeGY 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. Telephone: (818) 833-3594 or (800) 917-9277

ANTHROPOLeGY 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

ANTHROPOLeGY 102 3.00 Units
HUMAN WAYS OF LIFE: CULTURAL ANTHROPOLeGY (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 preferrate, peasant, and urban societies.
1005 8:35am - 10:00am TTh AH/T E315 1006 11:45am - 1:10pm MW AH/T E315

Archaeology 102 is offered through ITV. Please visit 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 factors. This course analyzes the difference between world architecture history and western architecture history, including the characteristics of Latin America, Islamic and Asian. The history of architecture is seeing 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

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 equipment is 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 programing (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 so.
8001 7:00am - 7:30am TTh RH/ C107 &lab 7:30am - 9:35am TTh RH/ C107
### SPRING 2015 Class Schedule

**February 9 to June 6**

<table>
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<tr>
<th>Course Code</th>
<th>Title</th>
<th>Units</th>
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<tr>
<td><strong>ARCHITECTURE 261</strong></td>
<td>Computer-Aided Design for Architecture I (CSU)</td>
<td>3.00</td>
</tr>
<tr>
<td><strong>ARCHITECTURE 341</strong></td>
<td>GIS Metropolitan Access Planning Systems I (CSU)</td>
<td>3.00</td>
</tr>
<tr>
<td><strong>ART 101</strong></td>
<td>Survey of Art History I (UC:CSU)</td>
<td>3.00</td>
</tr>
<tr>
<td><strong>ART 102</strong></td>
<td>Survey of Art History II (UC:CSU)</td>
<td>3.00</td>
</tr>
<tr>
<td><strong>ART 103</strong></td>
<td>Art Appreciation I (UC:CSU)</td>
<td>3.00</td>
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<tr>
<td><strong>ART 201</strong></td>
<td>Drawing I (UC:CSU)</td>
<td>3.00</td>
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<tr>
<td><strong>ART 300</strong></td>
<td>Introduction to Painting (UC:CSU)</td>
<td>3.00</td>
</tr>
<tr>
<td><strong>ASTRONOMY 001</strong></td>
<td>Elementary Astronomy (UC:CSU)</td>
<td>3.00</td>
</tr>
<tr>
<td><strong>ASTRONOMY 005</strong></td>
<td>Fundamentals of Astronomy Laboratory (UC:CSU)</td>
<td>1.00</td>
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<tr>
<td><strong>AUTOMOTIVE AND RELATED TECHNOLOGY 100</strong></td>
<td>Heating and Air Conditioning Systems Theory, Inspection &amp; RPR</td>
<td>3.00</td>
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**ART 101**

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.

<table>
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<td>MW</td>
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<td>MH 308</td>
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<tr>
<td>1428</td>
<td>MW</td>
<td>10:10am - 11:35am</td>
<td>MH 308</td>
</tr>
<tr>
<td>1429</td>
<td>MW</td>
<td>11:45am - 1:10pm</td>
<td>MH 308</td>
</tr>
<tr>
<td>3852</td>
<td>MW</td>
<td>6:00pm - 9:10pm</td>
<td>MH 308</td>
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**ART 102**

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.

<table>
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<td>3853</td>
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<td>MH 308</td>
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**ART 103**

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.

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<th>Section</th>
<th>Days</th>
<th>Time</th>
<th>Location</th>
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<tbody>
<tr>
<td>1431</td>
<td>TTh</td>
<td>10:10am - 11:35am</td>
<td>MH 305</td>
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</table>

**ART 201**

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.

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<th>Section</th>
<th>Days</th>
<th>Time</th>
<th>Location</th>
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<tr>
<td>1432</td>
<td>TTh</td>
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<td>MH 309</td>
</tr>
<tr>
<td>&amp;lab</td>
<td>TTh</td>
<td>9:05am - 10:05am</td>
<td>MH 309</td>
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<tr>
<td>1433</td>
<td>TTh</td>
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<td>MH 305</td>
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<td>1434</td>
<td>TTh</td>
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<td>1:35pm - 2:30pm</td>
<td>MH 305</td>
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**ART 300**

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.

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<tr>
<td>1435</td>
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<tr>
<td>&amp;lab</td>
<td>TTh</td>
<td>11:15am - 12:15pm</td>
<td>MH 309</td>
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**Astronomy 001**

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.

<table>
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<tr>
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<th>Time</th>
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<tbody>
<tr>
<td>1600</td>
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<td>CH/ K406</td>
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<td>1601</td>
<td>MW</td>
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<td>MH 308</td>
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<tr>
<td>1602</td>
<td>TTh</td>
<td>10:10am - 11:35am</td>
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</table>

**Astronomy 005**

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, 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.

<table>
<thead>
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<td>TTh</td>
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**Automotive and Related Technology 100**

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.

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<thead>
<tr>
<th>Section</th>
<th>Days</th>
<th>Time</th>
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<td>4382</td>
<td>TTh</td>
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<tr>
<td>7490</td>
<td>TTh</td>
<td>7:00am - 7:45am</td>
<td>MTWThF</td>
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<td>&amp;lab</td>
<td>TTh</td>
<td>7:45am - 12:00pm</td>
<td>MTWThF</td>
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**Update:**

**November 5, 2014**
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 3.00 Units
&lab 6:30pm - 9:30pm MW 3.00 Units

7300 7:00am - 7:45am MTWThF 3.00 Units
&lab 7:45am - 12:00pm MTWThF 3.00 Units
(6 Week Class - Starts 2/9/2015, Ends 3/20/2015)

7301 7:00am - 7:45am MTWThF 3.00 Units
&lab 7:45am - 12:00pm MTWThF 3.00 Units
(5 Week Class - Starts 3/23/2015, Ends 5/1/2015)

7302 7:00am - 7:45am MTWThF 3.00 Units
&lab 7:45am - 12:00pm MTWThF 3.00 Units
(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 3.00 Units
&lab 6:30pm - 9:30pm MW 3.00 Units

7306 7:00am - 7:45am MTWThF 3.00 Units
&lab 7:45am - 12:00pm MTWThF 3.00 Units
(6 Week Class - Starts 3/2/2015, Ends 6/7/2015)

7307 7:00am - 7:45am MTWThF 3.00 Units
&lab 7:45am - 12:00pm MTWThF 3.00 Units
(6 Week Class - Starts 2/9/2015, Ends 3/20/2015)

7308 7:00am - 7:45am MTWThF 3.00 Units
&lab 7:45am - 12:00pm MTWThF 3.00 Units
(5 Week Class - Starts 3/23/2015, Ends 5/1/2015)

7320 7:30am - 8:35am SAT 3.00 Units
&lab 8:35am - 3:05pm SAT 3.00 Units

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 3.00 Units
&lab 6:30pm - 9:30pm TTh 3.00 Units

7342 7:00am - 7:45am MTWThF 3.00 Units
&lab 7:45am - 12:00pm MTWThF 3.00 Units
(6 Week Class - Starts 2/9/2015, Ends 3/20/2015)

7345 12:30pm - 1:15pm TTh 3.00 Units
&lab 1:15pm - 4:40pm TTh 3.00 Units

7346 7:00am - 7:45am MTWThF 3.00 Units
&lab 7:45am - 12:00pm MTWThF 3.00 Units
(6 Week Class - Starts 5/4/2015, Ends 6/7/2015)

AUTOMOTIVE AND RELATED TECHNOLOGY 122 3.00 Units
ETRICAL/ELECTRONIC SYSTEMS THEORY, INSPECTION & REPAIR (CSU)
Instruction on theory, inspection & repair of automotive elecronic/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 3.00 Units
&lab 7:45am - 12:00pm MTWThF 3.00 Units
(6 Week Class - Starts 2/9/2015, Ends 3/20/2015)

7349 7:00am - 7:45am MTWThF 3.00 Units
&lab 7:45am - 12:00pm MTWThF 3.00 Units
(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 3.00 Units
&lab 6:30pm - 9:35pm TTh 3.00 Units

7344 7:00am - 7:45am MTWThF 3.00 Units
&lab 7:45am - 12:00pm MTWThF 3.00 Units
(6 Week Class - Starts 2/9/2015, Ends 3/20/2015)

7350 7:00am - 7:45am MTWThF 3.00 Units
&lab 7:45am - 12:00pm MTWThF 3.00 Units
(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.

3758 7:00am - 7:45am MTWThF 3.00 Units
&lab 7:45am - 12:00pm MTWThF 3.00 Units
(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 3.00 Units
&lab 6:30pm - 11:05pm MW 3.00 Units
(13 Week Class - Starts 3/10/2015, Ends 6/7/2015)

3760 7:00am - 7:45am MTWThF 3.00 Units
&lab 7:45am - 12:00pm MTWThF 3.00 Units
(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 condition diagnosis, testing.

3762 5:35pm - 6:25pm MW 3.00 Units
&lab 6:25pm - 9:35pm MW 3.00 Units

7355 7:00am - 7:45am MTWThF 3.00 Units
&lab 7:45am - 12:00pm MTWThF 3.00 Units
(6 Week Class - Starts 5/4/2015, Ends 6/7/2015)
### SPRING 2015 Class Schedule

#### February 9 to June 6

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
<th>Time and Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>AUTOMOTIVE COLLISION REPAIR 149</td>
<td>3.00 Units <strong>ESTIMATING BODY DAMAGE</strong>&lt;br&gt;Students are taught body repair and computerized estimating collision</td>
<td>3.00</td>
<td>7:30am - 8:35am, SAT OH/F132&lt;br&gt;&amp; lab 8:35am - 9:15am, SAT OH/F132</td>
</tr>
<tr>
<td>AUTOMOTIVE AND RELATED TECHNOLOGY 140</td>
<td>3.00 Units <strong>AUTOMOTIVE THEORY AND REPAIR IV (CSU)</strong>&lt;br&gt;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: engines, transmissions, tune up, brakes, suspension, steering, and automotive accessories, and various other repairs using available vehicles.</td>
<td>3.00</td>
<td>7:00am - 7:45am, MTWThF OH/F116&lt;br&gt;&amp; lab 7:45am - 12:00pm, MTWThF OH/F108</td>
</tr>
<tr>
<td>AUTOMOTIVE AND RELATED TECHNOLOGY 141</td>
<td>3.00 Units <strong>AUTOMOTIVE THEORY AND REPAIR V (CSU)</strong>&lt;br&gt;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: engines, transmissions, drivability, brakes, suspension, steering, and automotive accessories.</td>
<td>3.00</td>
<td>7:00am - 7:45am, MTWThF OH/F108&lt;br&gt;&amp; lab 7:45am - 12:00pm, MTWThF OH/F104</td>
</tr>
<tr>
<td>AUTOMOTIVE AND RELATED TECHNOLOGY 142</td>
<td>3.00 Units <strong>AUTOMOTIVE THEORY AND REPAIR VI (CSU)</strong>&lt;br&gt;Instruction is offered on fuel injection, automatic transmissions &amp; heating, ventilation &amp; air conditioning systems, with emphasis on diagnosis and repair procedures. Shop practice is offered on most areas of automotive repairs: engines, transmissions, drivability, brakes, suspension, steering, automotive accessories, and various other repairs.</td>
<td>3.00</td>
<td>7:00am - 7:45am, MTWThF OH/F124&lt;br&gt;&amp; lab 7:45am - 12:00pm, MTWThF OH/F104</td>
</tr>
<tr>
<td>COOPERATIVE EDUCATION - AUTOMOTIVE AND RELATED TECHNOLOGY 941</td>
<td>4.00 Units <strong>BEGINNING YEAST BREADS AND QUICKBREADS</strong>&lt;br&gt;Corequisite: Culinary Arts 112.</td>
<td>4.00</td>
<td>7:30am - 8:35am, MTWThF OH/F135&lt;br&gt;&amp; lab 8:30am - 10:15am, MTWThF OH/F131&lt;br&gt;&amp; lab 10:15am - 12:30pm, MTWThF OH/F104</td>
</tr>
<tr>
<td>BAKING, PROFESSIONAL 12</td>
<td>6.00 Units <strong>BAKING PROCESSES AND THEORY OF INGREDIENTS</strong>&lt;br&gt;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.</td>
<td>6.00</td>
<td>9:30am - 11:15am, MTWThF OH/F131&lt;br&gt;&amp; lab 11:15am - 4:00pm, MTWThF OH/F134</td>
</tr>
<tr>
<td>BAKING, PROFESSIONAL 112</td>
<td>4.00 Units <strong>ARTESIAN BREADS, SPECIALTY BREADS</strong>&lt;br&gt;Recognize formulas and demonstrate the ability to alter formulas in yeast, rolled and cold on products. Recipe and menu development, including ingredient selection and ingredient modification. Explore the fundamentals of baking science: How a formula works and how ingredients are altered to produce desired results. Work on increasing productivity, speed and accuracy is continued in this class.</td>
<td>4.00</td>
<td>6:00am - 8:00am, MTWThF OH/F131&lt;br&gt;&amp; lab 8:00am - 10:15am, MTWThF OH/F131&lt;br&gt;&amp; lab 10:15am - 12:30pm, MTWThF OH/F130</td>
</tr>
<tr>
<td>BAKING, PROFESSIONAL 122</td>
<td>6.00 Units <strong>PLATED RESTAURANT STYLE DESSERTS</strong>&lt;br&gt;Prerequisite: Professional Baking 112 and Culinary Arts 112.</td>
<td>6.00</td>
<td>7:00am - 9:00am, F OH/F130&lt;br&gt;&amp; lab 9:00am - 1:30pm, F OH/F130&lt;br&gt;&amp; lab 10:15am - 12:30pm, MTWThF OH/F131&lt;br&gt;&amp; lab 1:15pm - 5:00pm, MTWThF OH/F104</td>
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<tr>
<td>BAKING, PROFESSIONAL 121</td>
<td>6.00 Units <strong>BEGINNING YEAST BREADS AND QUICKBREADS</strong>&lt;br&gt;Corequisite: Culinary Arts 112.</td>
<td>6.00</td>
<td>7:30am - 9:15am, MTWThF OH/F135&lt;br&gt;&amp; lab 9:30am - 10:15am, MTWThF OH/F131&lt;br&gt;&amp; lab 10:15am - 12:30pm, MTWThF OH/F104</td>
</tr>
<tr>
<td>BAKING, PROFESSIONAL 12</td>
<td>6.00 Units <strong>ARTESIAN BREADS, SPECIALTY BREADS</strong>&lt;br&gt;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’s 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.</td>
<td>6.00</td>
<td>6:00am - 8:00am, MTWThF OH/F131&lt;br&gt;&amp; lab 8:00am - 10:15am, MTWThF OH/F131&lt;br&gt;&amp; lab 10:15am - 12:30pm, MTWThF OH/F130</td>
</tr>
</tbody>
</table>

**Notes:**
- **Schedule of Classes**
- **Chair: Steven Kasmar, Sage Hall - SA/H-118, (213) 763-7332**
- **Updated:** November 5, 2014
SPRING 2015 Class Schedule
February 9 to June 6

BAKING, PROFESSIONAL 132 6.00 Units
MULTI-COMPONENT DESSERTS AND PASTRIES
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 desert combinations.
7545 7:15am - 9:15am MTWTh SA/ H334 &lab 9:15am - 12:25pm MTWTh SA/ H315
(9 Week Class - Starts 4/13/2015, Ends 6/7/2015)

BAKING, PROFESSIONAL 141 6.00 Units
ADVANCED BAKING CENTERPIECE AND DECORATING TECHNIQUES
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 0.00 Unit
BASIC ENGLISH SKILLS (NDA) (RPT 9)
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 0.00 Unit
FOUNDATION: CRITICAL THINKING (NDA)
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 0.00 Unit
COLLEGE AND SCHOLASTIC ASSESSMENT PREPARATION (NDA) (RPT 9)
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 0.00 Unit
BASIC MATH SKILLS (NDA) (RPT 9)
This course is designed to strengthen basic math skills. Topics include properties, rounding, estimating, comparing, converting, and computing whole numbers, fractions, 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 - 12:40am 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)
BIOLOGY
Chair: Miguel Moreno, Cedar Hall - CH/K-405, (213) 763-7322

BIOLOGY 003
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/ K406
& lab 11:30am - 2:40pm SAT CH/ K408
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
INTRODUCTION TO HUMAN BIOLOGY (UC:CSU)

This 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
GENERAL BIOLOGY II (UC:CSU)

Prerequisite: Prerequisite: Biology 0.

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
BIOTECHNOLOGY

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

BIOTECHNOLOGY 012 4.00 Units
INTRODUCTION TO BIOMANUFACTURING II 4.00 Units
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 of 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
CONTRACTS’ LICENSE LAW (CSU)
Contractor’s License Law is designed to prepare personnel in the construction industry on the California Law requirements for obtaining 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
0135 7:00am - 8:05am MW CH/ K208
& lab 2:50pm - 3:50pm TTh CH/ K322
& 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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<th>Title</th>
<th>Units</th>
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<td>8101</td>
<td>CARPENTRY 105 CALCULATIONS AND MEASUREMENT FOR WOODWORKING STUDENTS I</td>
<td>3.00</td>
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<tr>
<td>8102</td>
<td>CARPENTRY 111A CONSTRUCTION I (CSU)</td>
<td>3.00</td>
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<tr>
<td>8103</td>
<td>CARPENTRY 111B CONSTRUCTION I</td>
<td>2.00</td>
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<tr>
<td>8104</td>
<td>CARPENTRY 114 HAND AND POWER TOOL APPLICATION</td>
<td>4.00</td>
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<tr>
<td>8105</td>
<td>CARPENTRY 115 BASIC BLUEPRINT READING AND CORE CONSTRUCTION SKILLS</td>
<td>3.00</td>
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<td>8106</td>
<td>CARPENTRY 117 CONSTRUCTION MATERIALS</td>
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<tr>
<td>8107</td>
<td>CARPENTRY 123 BASIC HOUSE CONSTRUCTION</td>
<td>6.00</td>
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<tr>
<td>8108</td>
<td>CARPENTRY 124 BLUEPRINT READING AND ESTIMATING 1</td>
<td>3.00</td>
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<tr>
<td>8109</td>
<td>CARPENTRY 130 CALCULATIONS AND MEASUREMENT FOR WOODWORKING STUDENTS II</td>
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<tr>
<td>8110</td>
<td>CARPENTRY 132 APPLIED BLUEPRINT READING</td>
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<tr>
<td>8111</td>
<td>CARPENTRY 133 ADVANCED RESIDENTIAL ESTIMATING</td>
<td>3.00</td>
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<tr>
<td>8112</td>
<td>CARPENTRY 134 ADVANCED RESIDENTIAL CONSTRUCTION</td>
<td>4.00</td>
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<tr>
<td>8113</td>
<td>CARPENTRY 135 CONCRETE CONSTRUCTION</td>
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</table>

**CARPENTRY**

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

**COOPERATIVE EDUCATION - BUSINESS (CSU)**

Cooperative Education is a work experience program involving the employer, the student-employee and the college to ensure 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.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Units</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>8102</td>
<td>CARPENTRY 111A CONSTRUCTION I (CSU)</td>
<td>3.00</td>
<td>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.</td>
</tr>
</tbody>
</table>
### Technical College

#### Schedule of Classes

- **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 MQ 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

- **Chemistry 1671 lab**
  - **3:00pm - 3:30pm T**
  - **3:30am - 4:00am T**

- **Chemistry 1672 lab**
  - **8:00am - 8:30am T**
  - **8:00am - 8:30am T**
  - **10:00am - 10:30pm T**
  - **10:00am - 10:30pm T**

- **Chemistry 1673**
  - **10:10am - 1:25pm S**
  - **10:10am - 1:25pm T**

- **Chemistry 4070**
  - **4:15pm - 5:00pm T**
  - **6:30pm - 7:20pm T**
  - **6:00pm - 7:00pm T**

### Schedule of Classes

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<tr>
<td>4781</td>
<td>Computer Assisted Estimating I</td>
<td>3.00</td>
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<tr>
<td>1622</td>
<td>Chemical Technology 121</td>
<td>5.00</td>
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<tr>
<td>1623</td>
<td>Chemical Technology 123</td>
<td>2.00</td>
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<tr>
<td>1624</td>
<td>Chemical Technology 131</td>
<td>3.00</td>
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<tr>
<td>1625</td>
<td>Chemical Technology 141</td>
<td>1.00</td>
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<tr>
<td>1626</td>
<td>Chemical Technology 142</td>
<td>5.00</td>
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<tr>
<td>1628</td>
<td>Chemical Technology 143</td>
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</tr>
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<td>Chemistry 051</td>
<td>5.00</td>
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**Los Angeles Trade Technical College**

Updated: November 5, 2014
SPRING 2015 Class Schedule

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/TE122 & lab  11:40am - 2:50pm TTh  CH/ K466
& lab  9:10am - 10:35am MW  AH/TE120 & lab  11:45am - 2:55pm MW  CH/ K464
& lab  10:10am - 11:35am TTh  CH/ K322 & lab  11:40am - 2:50pm TTh  CH/ K464
& lab  10:10am - 11:35am MW  AH/TE415 & lab  11:40am - 2:50pm MW  CH/ K464
& lab  8:00am - 11:10am SAT  CH/ K322 & lab  11:50am - 3:20pm SAT  CH/ K466
4076  4:30pm - 5:55pm TTh  CH/ K258 & lab  6:10pm - 9:20pm TTh  CH/ K466
& lab  4:30pm - 5:55pm MW  AH/TE122 & lab  6:10pm - 9:25pm MW  CH/ K464

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.
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/TE120 & 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) 763-936

CHILD DEVELOPMENT 001  3.00 Units
CHILD GROWTH AND DEVELOPMENT (UC:CSU)
Advisory: English 28.
This course examines the major physical, psychosocial, and cognitive/linguistic 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  9:15 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 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
SPRING 2015 Class Schedule

**CHILD DEVELOPMENT 008** 3.00 Units
CURRICULUM IN EARLY CHILDHOOD EDUCATION (CSU)
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** 3.00 Units
HEALTH, SAFETY AND NUTRITION (CSU)
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 CH/ F223
1216 8:35am - 10:00am TTh CH/ K222
3727 6:00pm - 9:10pm T AH/T E315

**CHILD DEVELOPMENT 011** 3.00 Units
CHILD, FAMILY AND COMMUNITY (CSU)
Advisory: English 21.
An examination of the development of the 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 CH/ 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 E313

**CHILD DEVELOPMENT 022** 4.00 Units
PRACTICUM IN CHILD DEVELOPMENT I (CSU)
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** 4.00 Units
PRACTICUM IN CHILD DEVELOPMENT II (CSU)
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** 3.00 Units
INFANT AND TODDLER STUDIES I (CSU)
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** 3.00 Units
OBSERVING AND RECORDING CHILDREN'S BEHAVIOR (CSU)
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** 3.00 Units
ADMINISTRATION & SUPERVISION OF EARLY CHILDHOOD PROGRAMS II (CSU)
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.

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** 3.00 Units
EARLY INTERVENTION FOR CHILDREN WITH SPECIAL NEEDS (CSU)
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** 3.00 Units
SCHOOL AGE PROGRAMS I (CSU)
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
CHILD DEVELOPMENT 065
2.00 Units
ADULT SUPERVISION/EARLY CHILDHOOD MENTORING (CSU)
Co-requisite: Child Development 23 or Child Development 39.
The class focuses on the principles and practices of supervision and evaluation of 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
COORDERATIVE EDUCATION - CHILD DEVELOPMENT (CSU)
Cooperative Education is a work experience program involving the employer, the student-employee and the college to ensure 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
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;
The 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
COMPUTER INFORMATION SYSTEMS 770 3.00 Units
LOCAL AREA NETWORK ADMINISTRATION (CSU)
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 3.00 Units
LOCAL AREA NETWORK TECHNICAL SUPPORT (CSU)
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 MCH/ K305
&lab 10:20am - 11:20am MCH/ K305

COMPUTER INFORMATION SYSTEMS 787 3.00 Units
NETWORK ESSENTIALS (CSU)
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 3.00 Units
PROGRAMMING IN JAVA (UC:CSU)
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 3.00 Units
WORK EXPERIENCE - GENERAL I (CSU)
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

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

COSMETOLOGY 037 6.00 Units
SKIN THERAPY III (NDA)
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 6.00 Units
SKIN THERAPY IV (NDA)
Prerequisite: Cosmetology 37;
Students will be introduced to clinic floor practicum, advanced facial and makeup applications, arching and waxing and 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 6.00 Units
FRESHMAN COSMETOLOGY
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 - 2:30pm SAT MH 237
(6 Week Class - Starts 2/9/2015, Ends 4/4/2015)

7000 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)

7002 7:00am - 8:30am MTWTh MH 247
&lab 8:00am - 2:00pm MTWTh MH 247
(9 Week Class - Starts 2/9/2015, Ends 4/4/2015)

COSMETOLOGY 112 6.00 Units
JUNIOR SALON I
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 6.00 Units
JUNIOR SALON II
Prerequisite: Cosmetology 112;
The course covers 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
&lab 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)
**SPRING 2015 Class Schedule**

**February 9 to June 6**

<table>
<thead>
<tr>
<th>COURSE CODE</th>
<th>COURSE NAME</th>
<th>UNITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>COSMETOLOGY 122</td>
<td>JUNIOR SALON II</td>
<td>6.00 Units</td>
</tr>
<tr>
<td>COSMETOLOGY 131</td>
<td>TINTING I</td>
<td>6.00 Units</td>
</tr>
<tr>
<td>COSMETOLOGY 132</td>
<td>TINTING II</td>
<td>6.00 Units</td>
</tr>
<tr>
<td>COSMETOLOGY 141</td>
<td>SENIOR SALON I</td>
<td>6.00 Units</td>
</tr>
<tr>
<td>COSMETOLOGY 142</td>
<td>SENIOR SALON II</td>
<td>6.00 Units</td>
</tr>
<tr>
<td>COSMETOLOGY 217</td>
<td>MULTI-TEXTURE DESIGN (LEVEL 1-2)</td>
<td>3.00 Units</td>
</tr>
<tr>
<td>COSMETOLOGY 221</td>
<td>ADVANCED MAKEUP TECHNIQUES (NDA)</td>
<td>3.00 Units</td>
</tr>
<tr>
<td>CULINARY ARTS 111</td>
<td>CULINARY ARTS ORIENTATION I (CSU)</td>
<td>4.00 Units</td>
</tr>
<tr>
<td>CULINARY ARTS 112</td>
<td>SANITATION AND SAFETY (CSU)</td>
<td>2.00 Units</td>
</tr>
</tbody>
</table>

**COSMETOLOGY 122**

Prerequisite: Cosmetology 121; The students are instructed in advanced permanent waving, soft permanent wave, chemical straightening, natural straightening and curling, hair cutting, and electricity. Theories related to the above mentioned subjects will be discussed.

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

**COSMETOLOGY 131**

Prerequisite: Cosmetology 112; The course covers basic, intermediate and advanced hair coloring, bleaching, toning, highlighting, foiling and color correction techniques. A variety of artificial nail procedures will be demonstrated. Theories to the above mentioned subjects will be discussed.

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

**COSMETOLOGY 132**

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.

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

**COSMETOLOGY 141**

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.

- 4:30pm - 9:30pm MTWTh MH 128
- 7:00am - 10:00am SAT MH 123

**COSMETOLOGY 142**

Prerequisite: Cosmetology 141; The student will be introduced to clinic floor practice and advanced client services. Mock State Board procedures for licensure will be employed. Business practices include: client services, effective communication, job skills, networking, strategies for building a clientele, selling techniques, starting and operating a business.

- 4:30pm - 9:30pm MTWTh MH 128
- 7:00am - 10:00am SAT MH 123

**CULINARY ARTS 111**

Culinary Arts Orientation I (CSU)

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.

- 7:00am - 8:30am TTh SA/H 354
- 8:30am - 1:00pm TTh SA/H 102

**CULINARY ARTS 112**

Sanitation and Safety (CSU)

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.

- 7:15am - 9:25am MW SA/H 103

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

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

**COSMETOLOGY 217**

MULTI-TEXTURE DESIGN (LEVEL 1-2)

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.

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

**COSMETOLOGY 221**

ADVANCED MAKEUP TECHNIQUES (NDA)

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.

- 10:05am - 1:15pm SAT MH 238

**CULINARY ARTS**

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

**CULINARY ARTS 201**

SPRING 2015 Class Schedule
Student are introduced to a la minute breakfast cookery, hot sandwiches, culinary preparation, buffet presentation, the display of carved fruit and vegetable garnishes and centerpieces. Preparation and usages of specialty meats, sweetbreads, and sausage are included. Planning and preparation of cold soups, hors d’ oeuvres, appetizers, canape, and dessert items. Students will practice center of the plate food preparation, meat identification and description techniques. Schedule and delegation methods are outlined. Computerized food and labor cost and inventory controls are presented and practiced.

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, stonches, 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, stonches, and dessert items.

CULINARY ARTS 141 6.00 Units

CULINARY ARTS - BUTCHERY/CENTER OF THE PLATE AND QUANTITY FOOD COOKERY (CSU)
Prerequisite: Culinary Arts 111; Culinary Arts 131; 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.

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, sports teams, at spas and resorts, major hospital chains, entertainment or transportation industries or in health care.

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, budgeting, and controlling. Serve Safe “Alcohol” test will be administered at the conclusion of the course.

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, stonches, 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, stonches, and dessert items.

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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, budgeting, and controlling. Serve Safe “Alcohol” test will be administered at the conclusion of the course.

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, budgeting, and controlling. Serve Safe “Alcohol” test will be administered at the conclusion of the course.
CULINARY ARTS 225 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.
7516 lab 7:00am - 10:20am MW & 10:20am - 1:40pm MW SA/ H107 & H134
(8 Week Class - Starts 2/9/2015, Ends 4/2/2015)
7520 lab 7:00am - 10:20am MW & 10:20am - 1:40pm MW SA/ H107 & 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 ensure 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 ETIRCAL 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
& 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 TRAI A R 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.
4522 5:00pm - 6:20pm TTh DH/ F211
& lab 6:20pm - 10:20pm TTh OH/ F100

DIESEL AND RELATED TECHNOLOGY 142 11.00 Units
DIESEL ENGINE OVERHAUL & ETIRCIC 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 - DIESL 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.lattc.edu prior to
the start of class for directions.

DIESEL AND RELATED TECHNOLOGY 301 5.00 Units
ADVANCED HYBRID AND PLUG-IN ELECTRIC 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 - DIESL 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 ensure 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
### DIGITAL MEDIA
**Chair: Carole Anderson, Cypress Hall - CY/D-222, (213) 763-3642**

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

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.

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<th>Course No.</th>
<th>Time</th>
<th>Days</th>
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<tbody>
<tr>
<td>4363</td>
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<td>TTh</td>
<td>CY/ D302</td>
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<tr>
<td></td>
<td>7:40pm - 8:50pm</td>
<td>TTh</td>
<td>CY/ D302</td>
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</tbody>
</table>

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

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.

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<tr>
<th>Course No.</th>
<th>Time</th>
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<tr>
<td></td>
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<td>MW</td>
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</table>

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

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.

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</table>

**DIGITAL MEDIA 152** 3.00 Units  
**DIGITAL ART**

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.

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<th>Course No.</th>
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<td>CY/ D302</td>
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</tbody>
</table>

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

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

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.

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<th>Course No.</th>
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<tbody>
<tr>
<td>8003</td>
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<tr>
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<td>11:15am - 12:45pm</td>
<td>MW</td>
<td>RH/ C107</td>
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### ECONOMICS
**Chair: Freddie McClain, Aspen Hall - AH/TE-516, (213) 763-3936**

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

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.

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<th>Course No.</th>
<th>Time</th>
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<tr>
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<tr>
<td>0186</td>
<td>10:10am - 11:35am</td>
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<td>CH/ K321</td>
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</table>

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

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.

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<tr>
<th>Course No.</th>
<th>Time</th>
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<th>Location</th>
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<tbody>
<tr>
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<tr>
<td>3033</td>
<td>6:00pm - 9:10pm</td>
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</table>

**ECONOMICS 003** 3.00 Units  
**PRINCIPLES OF ECONOMICS III (UC:CSU)**

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, fingerprint (live scan), and background check may be required by individual elementary school.

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<tr>
<th>Course No.</th>
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<tr>
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<tr>
<td>1061</td>
<td>1:20pm - 2:45pm</td>
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**ECONOMICS 004** 1.00 Unit  
**INTRODUCTION TO TEACHING (CSU)**

(18 Week Class - Starts 2/9/2015, Ends 6/7/2015)

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<th>Course No.</th>
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</table>

**ELECTRICAL CONSTRUCTION AND MAINTENANCE**
**Chair: William Elarton, Sequoia Hall - SQ/B-122, (213) 763-3701**

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

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.

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

(Same as Building Construction Techniques 102).

This course provides instruction on safety and health rules as it applies to 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.

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<th>Course No.</th>
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<tr>
<td>8130</td>
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</table>
## SPRING 2015 Class Schedule

**February 9 to June 6**

### 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.

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<th>CRN</th>
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<tbody>
<tr>
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<td>EDM Training Facility - 2nd Floor Classroom, 11760 Truderdale Street, Sun Valley 91352</td>
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</table>

### 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.

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<th>CRN</th>
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<td>Central District Headquarters, Dept. Water &amp; Power, 1350 S. Wall Street, Los Angeles, CA 90015, 213-763-3701</td>
</tr>
</tbody>
</table>

### 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.

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<td>Central District Headquarters, Dept. Water &amp; Power, 1350 S. Wall Street, Los Angeles, CA 90015, 213-763-3701</td>
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</tbody>
</table>

### ELECTRICAL CONSTRUCTION AND MAINTENANCE 117 3.00 Units

**FUNDAMENTALS OF D.C. ETRICITY (CSU)**

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.

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<td>EDM Training Facility - 2nd Floor Classroom, 11760 Truderdale Street, Sun Valley 91352</td>
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### ELECTRICAL CONSTRUCTION AND MAINTENANCE 118 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.

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<th>CRN</th>
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<td>11760 Truderdale Street, Sun Valley 91352</td>
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### ELECTRICAL CONSTRUCTION AND MAINTENANCE 119 3.00 Units

**ETRICAL CONSTRUCTION AND MAINTENANCE 120 3.00 Units

**INDUSTRIAL CONTROL SYSTEMS PRACTICES (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.

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<th>CRN</th>
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### ELECTRICAL CONSTRUCTION AND MAINTENANCE 128A 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.

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### ELECTRICAL CONSTRUCTION AND MAINTENANCE 128B 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.

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### ELECTRICAL CONSTRUCTION AND MAINTENANCE 128C 1.00 Unit

**ETRICAL 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.

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### ELECTRICAL CONSTRUCTION AND MAINTENANCE 117 4.00 Units

**ETRICAL CRAFT HELPER (CSU)**

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.

<table>
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### ELECTRICAL CONSTRUCTION AND MAINTENANCE 119 3.00 Units

**ETRICAL CONSTRUCTION AND MAINTENANCE 128 3.00 Units

**INDUSTRIAL CONTROL SYSTEMS PRACTICES (CSU)**

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.

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<td>SQ/ B353</td>
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<tr>
<td>8140</td>
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<td>SQ/ B352</td>
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<tr>
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Please visit the online program homepage at http://moodle.latt.edu prior to the start of class for directions.
<table>
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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
<th>Prerequisites</th>
<th>Corequisites</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>8133</td>
<td>Electrical Construction and Maintenance 130</td>
<td>3.00</td>
<td>Electrical Construction and Maintenance 115, Electrical Construction and Maintenance 119</td>
<td></td>
<td>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.</td>
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<tr>
<td>4723</td>
<td>ELECTRICAL CONSTRUCTION AND MAINTENANCE 159</td>
<td>4.00</td>
<td>Electrical Construction and Maintenance 120; and Electrical Construction and Maintenance 136 or Electrical Construction and Maintenance 184</td>
<td></td>
<td>Programmable Logic Controller wiring, programming, and troubleshooting techniques are learned and practiced in a hands-on laboratory environment.</td>
</tr>
<tr>
<td>4782</td>
<td>PROGRAMMABLE LOGIC CONTROLS (PLC)</td>
<td>1.00</td>
<td>Electrical Construction and Maintenance 130; and Electrical Construction and Maintenance 136</td>
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</tbody>
</table>
ELECTRICAL CONSTRUCTION AND MAINTENANCE 177 3.00 Units
ETRIFIC 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
ETRIFIC 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 ETTRIFIC 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 ETTRIFIC 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 SQ/ B304
&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 & 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 ETTRIFIC 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 small 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 ETTRIFIC 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.lattc.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 - 9:10 pm MW SQ/ B203
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.0.095, 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 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 Phasors, 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, KU 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 CABLEING 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 and standards (Electronics and learn how to properly terminate them.

0508 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 9:25am - 12:20pm 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...
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 6.00 Units
STEAM PLANT OPERATION I
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 6.00 Units
STEAM PLANT OPERATION II
Instruction in the operation of steam engines, valve operating mechanisms and governors, and steam pipes. 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 the 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 2.00 Units
INTRODUCTION TO SCIENCE, ENGINEERING, AND TECHNOLOGY
(UC-CSU)
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 3.00 Units
STATICS (UC-CSU)
Prerequisite: Math 265 with a grade of C or better.
1711 3:30pm - 4:45pm MW MH 301
& 4:35pm - 6:05pm MW MH 301

ENGINEERING, GENERAL 151 3.00 Units
MATERIALS OF ENGINEERING (UC-CSU)
Prerequisite: Chemistry 101 & Physics 1
4059 4:15pm - 5:45pm TTh CH/ K422

ENGINEERING, GENERAL 241 3.00 Units
STRENGTH OF MATERIALS (UC-CSU)
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 3.00 Units
ENGLISH FUNDAMENTALS (NDA)
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

ENGLISH 028 3.00 Units
INTERMEDIATE READING AND COMPOSITION
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 MW TBA
3828 6:00pm - 9:10pm MW 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.

ENGLISH 100 3.00 Units
ACCELERATED PREP: COLLEGE WRITING (NDA)
Corequisite: English 67; Advisory: 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 MW TBA
1353 8:35am - 10:00am MW AH/T E208
1357 8:35am - 10:00am MW AH/T E208
1358 12:00pm - 1:25pm MW TBA
1367 3:00pm - 4:40pm MW AH/T E201
1369 10:10am - 11:35am MW AH/T E312
1370 11:45am - 1:10pm MW AH/T E210
**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  
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 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  
(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. 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. 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 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 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  
(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

**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 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 identify.  
7945 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.

**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
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
(8 Week Class - Starts 4/13/2015, Ends 6/5/2015)
5716  6:00pm - 7:40pm MTWTh  CY/ D204
(8 Week Class - Starts 4/13/2015, Ends 6/5/2015)
8806  8:00am - 9:40am MTWTh  CY/ D204
(8 Week Class - Starts 2/9/2015, Ends 4/3/2015)
8807  8:00am - 9:50am MTWTh  OH/ F210
(8 Week Class - Starts 4/13/2015, Ends 6/5/2015)
FASHION DESIGN
Chair: Carole Anderson, Cypress Hall - CY/D-222, (213) 763-3642

FASHION DESIGN 111 5.00 Units
CLOTHING CONSTRUCTION (CSU)
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 5.00 Units
BASIC FASHION ART AND DESIGN (CSU)
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 2.00 Units
ADVANCED CLOTHING CONSTRUCTION
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 1.50 Units
HISTORY OF COSTUME I (CSU)
7062 9:00am - 10:45am MW CY/D236
(8 Week Class - Starts 2/9/2015, Ends 4/3/2015)
<table>
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<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
<th>Days</th>
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<tr>
<td>7077</td>
<td>Fashion Design 141</td>
<td>5.00</td>
<td>MTWThF</td>
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<td>CY/ D106</td>
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<td>7085</td>
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<td>CY/ D333</td>
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<td>7089</td>
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<td>(9 Week Class - Starts 4/13/2015, Ends 6/7/2015)</td>
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<td>Fashion Show Production</td>
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<td>7134</td>
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<td>7060</td>
<td>Advanced Fashion Art and Design</td>
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<tr>
<td>4250</td>
<td>Sample Making and Design I</td>
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<td>TTh</td>
<td>6:00pm - 9:10pm</td>
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<td>7101</td>
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<td>4252</td>
<td>Sample Making and Design II</td>
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<td>CY/ D130</td>
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<td>4253</td>
<td>Pattern Making and Design I</td>
<td>2.00</td>
<td>MW</td>
<td>6:00pm - 9:10pm</td>
<td>CY/ D130</td>
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<td>4254</td>
<td>Pattern Making and Design II</td>
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<td>Pattern Making and Design III</td>
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<td>4256</td>
<td>Pattern Grading and Design I</td>
<td>2.00</td>
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<td>4257</td>
<td>Pattern Grading and Design II</td>
<td>1.00</td>
<td>TTh</td>
<td>6:00pm - 9:10pm</td>
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<tr>
<td>4282</td>
<td>Contemporary Garment Construction Techniques</td>
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<td>4:15 - 6:15 PM</td>
<td>CY/ D331</td>
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<tr>
<td>7091</td>
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<td></td>
<td></td>
<td>1:00 PM - 3:00 PM</td>
<td>CY/ D333</td>
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<tr>
<td></td>
<td>(17 Week Class - Starts 2/16/2015, Ends 6/7/2015)</td>
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### Schedule of Classes

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<tbody>
<tr>
<td>FASHION DESIGN 231</td>
<td>CONTEMPORARY PATTERN MAKING TECHNIQUES</td>
<td>1.00</td>
<td>This course provides fashion students the opportunity to review and practice various pattern making techniques. Students concentrate on pattern drafting projects using industry methods.</td>
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<tr>
<td>4283 lab</td>
<td></td>
<td>6:00pm</td>
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<td>MW</td>
<td>SAT</td>
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<td>(17 Week Class - Starts 2/16/2015, Ends 6/7/2015)</td>
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<tr>
<td>FASHION DESIGN 236</td>
<td>FASHION SKETCHING AND DESIGN I</td>
<td>2.00</td>
<td>Instruction includes fashion figure drawing, rendering fabrics and garments on figures, designing selected garments, study of color theory and techniques.</td>
</tr>
<tr>
<td>4260 lab</td>
<td>6:00pm - 9:10pm</td>
<td>MW</td>
<td>CY/ D230</td>
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<tr>
<td>7113 lab</td>
<td>8:35am - 3:05pm</td>
<td>SAT</td>
<td>CY/ D333</td>
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<tr>
<td>FASHION DESIGN 237</td>
<td>FASHION SKETCHING AND DESIGN II</td>
<td>2.00</td>
<td>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.</td>
</tr>
<tr>
<td>4262 lab</td>
<td>6:00pm - 9:10pm</td>
<td>MW</td>
<td>CY/ D230</td>
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<tr>
<td>7115 lab</td>
<td>8:35am - 3:05pm</td>
<td>SAT</td>
<td>CY/ D333</td>
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<tr>
<td>FASHION DESIGN 238</td>
<td>FASHION SKETCHING AND DESIGN III</td>
<td>2.00</td>
<td>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.</td>
</tr>
<tr>
<td>4264 lab</td>
<td>6:00pm - 9:10pm</td>
<td>MW</td>
<td>CY/ D230</td>
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<tr>
<td>7117 lab</td>
<td>8:35am - 3:05pm</td>
<td>SAT</td>
<td>CY/ D333</td>
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<tr>
<td>FASHION DESIGN 239</td>
<td>GOWN DRAPING AND DESIGN I</td>
<td>2.00</td>
<td>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.</td>
</tr>
<tr>
<td>4267 lab</td>
<td>6:00pm - 9:10pm</td>
<td>TTh</td>
<td>CY/ D105</td>
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<td>CY/ D105</td>
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<tr>
<td>FASHION DESIGN 240</td>
<td>GOWN DRAPING AND DESIGN II</td>
<td>2.00</td>
<td>This course includes basic principles of design, line, proportion, and fabric use.</td>
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<td>4269 lab</td>
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<td>SAT</td>
<td>CY/ D105</td>
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<tr>
<td>FASHION DESIGN 241</td>
<td>GOWN DRAPING AND DESIGN III</td>
<td>2.00</td>
<td>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.</td>
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<td>4271 lab</td>
<td>6:00pm - 9:10pm</td>
<td>TTh</td>
<td>CY/ D102</td>
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<tr>
<td>FASHION DESIGN 244</td>
<td>COMPUTER FASHION ART</td>
<td>2.00</td>
<td>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.</td>
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<tr>
<td>7123 lab</td>
<td>8:35am - 3:05pm</td>
<td>SAT</td>
<td>CY/ D203</td>
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<tr>
<td>FASHION DESIGN 250</td>
<td>BEGINNING COMPUTER APPAREL SYSTEMS</td>
<td>2.00</td>
<td>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.</td>
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<tr>
<td>4295 lab</td>
<td>6:00pm - 9:10pm</td>
<td>TTh</td>
<td>CY/ D133</td>
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<tr>
<td>FASHION DESIGN 255</td>
<td>COMPUTERIZED PRODUCT DESIGN</td>
<td>2.00</td>
<td>This course offers advanced training in apparel pre-production process, and marker making as it applies to computerized apparel production. The class will cover special 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.</td>
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<tr>
<td>4274 lab</td>
<td>6:00pm - 9:10pm</td>
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<tr>
<td>FASHION DESIGN 258</td>
<td>COMPUTER- AIDED PATTERN SYSTEMS</td>
<td>2.00</td>
<td>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.</td>
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<tr>
<td>FASHION DESIGN 264</td>
<td>APPAREL COMPUTER SYSTEMS ANALYSIS (CSU)</td>
<td>2.00</td>
<td>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.</td>
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<td>11:45am - 12:55pm</td>
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<td>12:55pm - 1:00pm</td>
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<td>9:10pm - 10:20pm</td>
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<td>(9 Week Class - Starts 4/13/2015, Ends 6/7/2015)</td>
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<tr>
<td>FASHION DESIGN 270</td>
<td>ILLUSTRATOR FOR FASHION DESIGN</td>
<td>2.00</td>
<td>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.</td>
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<tr>
<td>4273 lab</td>
<td>6:00pm - 9:10pm</td>
<td>TTh</td>
<td>CY/ D203</td>
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<tr>
<td>FASHION DESIGN 941</td>
<td>COOPERATIVE EDUCATION - FASHION DESIGN</td>
<td>4.00</td>
<td>Cooperative Education is a work experience program involving the employer, the student-employee and the college to ensure 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.</td>
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<tr>
<td>9092</td>
<td>4:25 hrs/wk</td>
<td>TBA</td>
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**FASHION MERCHANDISING**
Chair: Carole Anderson, Cypress Hall - CY/D-222, (213) 763-3642

<table>
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<tr>
<td>FASHION MERCHANDISING 010</td>
<td>RETAIL MERCHANDISING (CSU)</td>
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<td>FASHION MERCHANDISING 020</td>
<td>APPAREL PRODUCT DEVELOPMENT (CSU)</td>
<td>3.00 Units</td>
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<tr>
<td>FASHION MERCHANDISING 030</td>
<td>FASHION PROMOTION (CSU)</td>
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<td>FASHION MERCHANDISING 040</td>
<td>MODERN MERCHANDISING MATH (CSU)</td>
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<tr>
<td>FASHION MERCHANDISING 050</td>
<td>INTERNATIONAL FASHION BUSINESS</td>
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<td>FASHION MERCHANDISING 072</td>
<td>ADVANCED RETAIL MERCHANDISING (CSU)</td>
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<td>RETAIL MERCHANDISING (CSU)</td>
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<td>APPAREL PRODUCT DEVELOPMENT (CSU)</td>
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<td>FASHION MERCHANDISING 120</td>
<td>CULTURAL PERSPECTIVES OF DRESS (CSU)</td>
<td>3.00 Units</td>
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<td>FASHION MERCHANDISING 130</td>
<td>FASHION PROMOTION (CSU)</td>
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<td>FASHION MERCHANDISING 150</td>
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**FASHION MERCHANDISING 010**
**RETAIL MERCHANDISING (CSU)**
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.

**FASHION MERCHANDISING 020**
**APPAREL PRODUCT DEVELOPMENT (CSU)**
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.

**FASHION MERCHANDISING 030**
**FASHION PROMOTION (CSU)**
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.

**FASHION MERCHANDISING 040**
**MODERN MERCHANDISING MATH (CSU)**
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.

**FASHION MERCHANDISING 050**
**INTERNATIONAL FASHION BUSINESS**
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.

**FASHION MERCHANDISING 072**
**ADVANCED RETAIL MERCHANDISING (CSU)**
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.

**FASHION MERCHANDISING 082**
**MODERN MERCHANDISING MATH (CSU)**
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.

**FASHION MERCHANDISING 090**
**INTERNATIONAL FASHION BUSINESS**
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.

**FASHION MERCHANDISING 110**
**APPAREL PRODUCT DEVELOPMENT (CSU)**
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.

**FASHION MERCHANDISING 120**
**CULTURAL PERSPECTIVES OF DRESS (CSU)**
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.

**FASHION MERCHANDISING 130**
**FASHION PROMOTION (CSU)**
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.

**FASHION MERCHANDISING 140**
**MODERN MERCHANDISING MATH (CSU)**
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.

**FASHION MERCHANDISING 150**
**INTERNATIONAL FASHION BUSINESS**
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.

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

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Units</th>
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<tbody>
<tr>
<td>FRENCH 001</td>
<td>ELEMENTARY FRENCH I (UC:CSU)</td>
<td>5.00 Units</td>
</tr>
<tr>
<td>FRENCH 002</td>
<td>ELEMENTARY FRENCH II (UC:CSU)</td>
<td>5.00 Units</td>
</tr>
</tbody>
</table>

**FRENCH 001**
**ELEMENTARY FRENCH I (UC:CSU)**
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.

**FRENCH 002**
**ELEMENTARY FRENCH II (UC:CSU)**
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.

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

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Units</th>
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<tr>
<td>GEOGRAPHY 001</td>
<td>PHYSICAL GEOGRAPHY (UC:CSU)</td>
<td>3.00 Units</td>
</tr>
<tr>
<td>GEOGRAPHY 002</td>
<td>ELEMENTARY FRENCH I (UC:CSU)</td>
<td>5.00 Units</td>
</tr>
<tr>
<td>GEOGRAPHY 003</td>
<td>ELEMENTARY FRENCH II (UC:CSU)</td>
<td>5.00 Units</td>
</tr>
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</table>

**GEOGRAPHY 001**
**PHYSICAL GEOGRAPHY (UC:CSU)**
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.

**GEOGRAPHY 002**
**ELEMENTARY FRENCH I (UC:CSU)**
Prerequisite: French 1. 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.

**GEOGRAPHY 003**
**ELEMENTARY FRENCH II (UC:CSU)**
Prerequisite: French 1. 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.

**HEALTH**
Chair: Joseph Ratcliff, Willow Hall, WH/J-202a, (213) 763-3730

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Units</th>
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<tr>
<td>HEALTH 006</td>
<td>NUTRITION FOR HEALTHFUL LIVING AND FITNESS ACTIVITIES (UC:CSU)</td>
<td>3.00 Units</td>
</tr>
</tbody>
</table>

**HEALTH 006**
**NUTRITION FOR HEALTHFUL LIVING AND FITNESS ACTIVITIES (UC:CSU)**
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.
HEALTH 008
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
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 7:30am - 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/ F217
1318 1:20pm - 2:45pm TTh OH/ F215
1319 1:20pm - 2:45pm TTh OH/ F216
3800 6:00pm - 9:05pm M OH/ F216

Health 11 is also offered through ITV. Please visit www.lamission.edu/itv. Telephone: (818) 833-3594 or (800) 917-9277

HEALTH 012
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. Telephone: (818) 833-3594 or (800) 917-9277

HISTORY
Chair: John Glavan, Aspen Hall - AH/TE-516, (213) 763-3936

HISTORY 011
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
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
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 derivation from other cultures, politics, economics, social movements, and its geography will be examined.
1023 10:10am - 11:35am TTh AH/T E301

HISTORY 044
THE MEXICAN AMERICAN IN THE HISTORY OF THE UNITED STATES II (UC:CSU)
1025 10:10am - 11:35am TTh TBA

HISTORY 087
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
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 derivation from other cultures, politics, economics, social movements, and their perspective as revealed in the arts.
1439 8:35am - 10:00am TTh MH 308
1440 2:40pm - 5:50pm MH 308
1441 9:00am - 12:10pm SAT MH 305
3854 6:00pm - 9:10pm T MH 308
3855 6:00pm - 9:10pm T MH 308
3856 4:00pm - 7:10pm W 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 5:00pm - 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
& 8:10am - 8:25am MW CH/K BASE
2223 8:35am - 9:45am MW CH/K BASE
& 9:45am - 10:00am MW CH/K BASE
2225 10:10am - 11:20am MW CH/K BASE
& 11:20am - 11:35am MW CH/K BASE
2227 11:45am - 12:55pm MW CH/K BASE
& 12:55pm - 1:10pm MW CH/K BASE
2229 1:20pm - 2:30pm MW CH/K BASE
& 2:30pm - 2:45pm MW CH/K BASE
2233 6:00pm - 7:10pm MW CH/K BASE
& 7:10pm - 7:25pm MW CH/K BASE
2235 7:00am - 8:10am TTh CH/K BASE
& 8:10am - 8:25am TTh CH/K BASE
2237 8:35am - 9:45am TTh CH/K BASE
& 9:45am - 10:00am TTh CH/K BASE
2239 10:10am - 11:20am TTh CH/K BASE
& 11:20am - 11:35am TTh CH/K BASE
2241 11:45am - 12:55pm TTh CH/K BASE
& 12:55pm - 1:10pm TTh CH/K BASE
2243 1:20pm - 2:30pm TTh CH/K BASE
& 2:30pm - 2:45pm TTh CH/K BASE

SPRING 2015 Class Schedule

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Los Angeles Trade-Technical College
Updated: November 5, 2014
### TECHNICAL COLLEGE

#### SPRING 2015 Class Schedule

**February 9 to June 6**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Time</th>
<th>Days</th>
<th>Room</th>
<th>Instructor</th>
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<tbody>
<tr>
<td>2245</td>
<td>6:00pm - 7:10pm</td>
<td>TTh</td>
<td>CH/K BASE</td>
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<td>TTh</td>
<td>CH/K BASE</td>
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<tr>
<td>2247</td>
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<td>SAT</td>
<td>CH/K BASE</td>
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<tr>
<td>&amp;lec</td>
<td>11:30am - 12:10pm</td>
<td>SAT</td>
<td>CH/K BASE</td>
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</table>

**KINESIOLOGY 334-1**

**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.

**KINESIOLOGY 387**

**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.

**KINESIOLOGY 500**

**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.

**KINESIOLOGY ATHLETICS 515**

**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, hurdles, 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.

**KINESIOLOGY ATHLETICS 516**

**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.

**KINESIOLOGY ATHLETICS 552**

**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.

**KINESIOLOGY MAJOR 100**

**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.

**KINESIOLOGY MAJOR 101**

**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.

**KINESIOLOGY MAJOR 103**

**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.
### LABOR AND COMMUNITY SERVICES (CSU)

- **LABOR STUDIES 003**: LABOR RELATIONS LAW (CSU)
  - **Description**: 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.
  - **Units**: 3.00
  - **Class**: LA CFL
  - **Dates**: Start: 2/18/2015, Ends: 5/20/2015
  - **Meeting Times**: 6:00pm - 9:10pm
  - **Location**: UFW Local 324

- **LABOR STUDIES 004**: LABOR IN AMERICA (UC-CSU)
  - **Description**: Examines how labor organizations and labor laws impact workers, families and American society focusing on workplace-related issues such as job security, income, workers' rights, immigration and role of unions.
  - **Units**: 3.00
  - **Class**: LA CFL
  - **Dates**: Start: 2/18/2015, Ends: 5/20/2015
  - **Meeting Times**: 6:00pm - 9:10pm
  - **Location**: IBEW Local 11, 297 N. MARENGO AVE., PASADENA, CA 91101.

- **LABOR STUDIES 005**: GRIEVANCE AND ARBITRATION PROCEDURES (CSU)
  - **Description**: Students learn to identify, investigate, write and present grievances and arbitrations with emphasis on participant's own contract, grievance procedure and experiences.
  - **Units**: 3.00
  - **Class**: LA CFL
  - **Dates**: Start: 4/21/2015, Ends: 5/19/2015
  - **Meeting Times**: 2:20pm - 5:35pm
  - **Location**: TEAMSTERS LOCAL. 20109900 Flower Street, Bellflower, California 90706

- **LABOR STUDIES 006**: LABOR AND COMMUNITY SERVICES (CSU)
  - **Description**: 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.
  - **Units**: 3.00
  - **Class**: NALC 24
  - **Meeting Times**: 6:00pm - 9:10pm
  - **Location**: TEAMSTERS LOCAL. 20109900 Flower Street, Bellflower, California 90706

### LABOR AND POLITICAL ACTION (CSU)

- **LABOR STUDIES 012**: BUILDING STRONG UNIONS (CSU)
  - **Description**: 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.
  - **Units**: 3.00
  - **Class**: LA CFL
  - **Meeting Times**: 6:00pm - 9:10pm
  - **Location**: TEAMSTERS LOCAL. 20109900 Flower Street, Bellflower, California 90706

### WORKERS’ RIGHTS (CSU)

- **LABOR STUDIES 054**: WORKERS’ RIGHTS (CSU)
  - **Description**: 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.
  - **Units**: 3.00
  - **Class**: LA CFL
  - **Meeting Times**: 6:00pm - 9:10pm
  - **Location**: TEAMSTERS LOCAL. 20109900 Flower Street, Bellflower, California 90706

### LABOR AND GLOBALIZATION (RPT 3)

- **LABOR STUDIES 108**: LABOR AND GLOBALIZATION (RPT 3)
  - **Description**: Explores how globalization affects the economy and jobs.
  - **Units**: 1.00
  - **Class**: LA CFL
  - **Meeting Times**: 6:00pm - 9:10pm
  - **Location**: TEAMSTERS LOCAL. 20109900 Flower Street, Bellflower, California 90706

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**Note:** Please visit the online program homepage at http://moodle.lattc.edu prior to the start of class for directions.
SPRING 2015 Class Schedule

T e c h n i c a l C o l l e g e

S c h e d u l e  o f  C l a s s e s

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.

0381 lab 10:00am - 11:50am MTWTh
(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
(8 Week Class - Starts 2/9/2015, Ends 4/3/2015)

0383 lab 12:00pm - 1:40pm MTWTh
(8 Week Class - Starts 4/13/2015, Ends 6/5/2015)

LEARNING SKILLS LAB 002B
ENGLISH FUNDAMENTALS (NDA) 1.00 Unit
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
(8 Week Class - Starts 2/9/2015, Ends 4/3/2015)

0365 lab 12:00pm - 1:40pm MTWTh
(8 Week Class - Starts 2/9/2015, Ends 4/3/2015)

0366 lab 10:00am - 11:40am MTWTh
(8 Week Class - Starts 4/13/2015, Ends 6/5/2015)

0367 lab 2:00pm - 3:40pm MTWTh
(8 Week Class - Starts 4/13/2015, Ends 6/5/2015)

1280 lab 6:00pm - 7:40pm MTWTh
(8 Week Class - Starts 2/9/2015, Ends 4/3/2015)

LEARNING SKILLS LAB 001B
ENGLISH FUNDAMENTALS (NDA) 1.00 Unit
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.

0381 lab 10:00am - 11:40am MTWTh
(8 Week Class - Starts 2/9/2015, Ends 4/3/2015)

0381 lab 10:00am - 11:50am MTWTh
(8 Week Class - Starts 4/13/2015, Ends 6/5/2015)

LEARNING SKILLS LAB 001C
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
(8 Week Class - Starts 2/9/2015, Ends 4/3/2015)

0383 lab 12:00pm - 1:40pm MTWTh
(8 Week Class - Starts 4/13/2015, Ends 6/5/2015)

LEARNING SKILLS LAB 002B
ENGLISH FUNDAMENTALS (NDA) 1.00 Unit
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
(8 Week Class - Starts 2/9/2015, Ends 4/3/2015)

0365 lab 12:00pm - 1:40pm MTWTh
(8 Week Class - Starts 2/9/2015, Ends 4/3/2015)

0366 lab 10:00am - 11:40am MTWTh
(8 Week Class - Starts 4/13/2015, Ends 6/5/2015)

0367 lab 2:00pm - 3:40pm MTWTh
(8 Week Class - Starts 4/13/2015, Ends 6/5/2015)

1280 lab 6:00pm - 7:40pm MTWTh
(8 Week Class - Starts 2/9/2015, Ends 4/3/2015)

LEARNING SKILLS LAB 002C
ENGLISH FUNDAMENTALS (NDA) 1.00 Unit
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
(8 Week Class - Starts 2/9/2015, Ends 4/3/2015)

0375 lab 2:00pm - 3:40pm MTWTh
(8 Week Class - Starts 2/9/2015, Ends 4/3/2015)

0376 lab 8:00am - 9:40am MTWTh
(8 Week Class - Starts 4/13/2015, Ends 6/5/2015)

LEARNING SKILLS LAB

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.

0381 lab 10:00am - 11:40am MTWTh
(8 Week Class - Starts 2/9/2015, Ends 4/3/2015)

0381 lab 10:00am - 11:50am MTWTh
(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
(8 Week Class - Starts 2/9/2015, Ends 4/3/2015)

0383 lab 12:00pm - 1:40pm MTWTh
(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
(8 Week Class - Starts 2/9/2015, Ends 4/3/2015)

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0366 lab 10:00am - 11:40am MTWTh
(8 Week Class - Starts 4/13/2015, Ends 6/5/2015)

0367 lab 2:00pm - 3:40pm MTWTh
(8 Week Class - Starts 4/13/2015, Ends 6/5/2015)

1280 lab 6:00pm - 7:40pm MTWTh
(8 Week Class - Starts 2/9/2015, Ends 4/3/2015)

LEARNING SKILLS LAB 002C
ENGLISH FUNDAMENTALS (NDA) 1.00 Unit
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.

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

0375 lab 2:00pm - 3:40pm MTWTh
(8 Week Class - Starts 2/9/2015, Ends 4/3/2015)

0376 lab 8:00am - 9:40am MTWTh
(8 Week Class - Starts 4/13/2015, Ends 6/5/2015)
**SPRING 2015 Class Schedule**

**February 9 to June 6**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Days</th>
<th>Times</th>
<th>Location</th>
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<tr>
<td>0378 lab</td>
<td>LEARNING SKILLS LAB 010B</td>
<td>1.00 Unit</td>
<td>TTh</td>
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<tr>
<td>0351 lab</td>
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<tr>
<td>0394 lab</td>
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<tr>
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<td>TTh</td>
<td>6:00pm - 7:40pm</td>
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</tbody>
</table>

**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 112B**

1.00 Unit

**TECHNOLOGY AND APPLICATION OF MACHINING IIB**

MSCNC 112B (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 in 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...
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

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

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/ F151A

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/ F151A

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

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

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

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

MATHEMATICS
Chair: Tayebeh 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

SPRING 2015 Class Schedule
February 9 to June 6

Los Angeles Trade-Technical College
Updated: November 5, 2014

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Schedule of Classes
**SPRING 2015 Class Schedule**

**F e b r u a r y 9 t o J u n e 6**

**MATHEMATICS 112**

**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.

<table>
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<tr>
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<th>Day</th>
<th>Class</th>
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<td>AH/T E412</td>
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<td>AH/T E412</td>
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**MATHEMATICS 113**

**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.

<table>
<thead>
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<th>Time</th>
<th>Day</th>
<th>Class</th>
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<td>AH/T E306</td>
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<tr>
<td>6:00pm</td>
<td>TTh</td>
<td>AH/T E415</td>
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**MATHEMATICS 114**

**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.

<table>
<thead>
<tr>
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<tr>
<td>6:00pm</td>
<td>TTh</td>
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**MATHEMATICS 115**

**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.

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<tr>
<td>7:00am</td>
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<td>AH/T E412</td>
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<tr>
<td>10:10am</td>
<td>MTWTh</td>
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This is a paired class and must be taken with Math 125, section 9654, which meets MTWTh from 11:30 a.m. - 12:40 p.m. To add this class, please contact the instructor, Parsel Maheta-Wells at Shakou P @ lattc.edu.

or (213) 763-7314. ENROLLMENT BY ADD PERMIT ONLY.

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<tr>
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<td>6:00pm</td>
<td>8:35pm</td>
<td>TTh</td>
</tr>
</tbody>
</table>

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.

**MATHEMATICS 121**

**ESSENTIALS OF PLANE GEOMETRY**

Prerequisite: Mathematics 115.

This course is an introduction to Euclidean geometry and 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.

<table>
<thead>
<tr>
<th>Time</th>
<th>Class</th>
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</thead>
<tbody>
<tr>
<td>10:10am</td>
<td>AH/T E410</td>
</tr>
<tr>
<td>11:30am</td>
<td>AH/T E221</td>
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</tbody>
</table>

This is a paired class and must be taken with Math 115, section 9677 which meets MTWTh from 10:10 - 11:40. ENROLLMENT BY ADD PERMIT ONLY.

<table>
<thead>
<tr>
<th>Time</th>
<th>Class</th>
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</thead>
<tbody>
<tr>
<td>10:10am</td>
<td>AH/T E408</td>
</tr>
<tr>
<td>11:20am</td>
<td>AH/T E306</td>
</tr>
<tr>
<td>11:45am</td>
<td>AH/T E306</td>
</tr>
<tr>
<td>12:40pm</td>
<td>AH/T E410</td>
</tr>
</tbody>
</table>

**MATHEMATICS 125**

**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.

<table>
<thead>
<tr>
<th>Time</th>
<th>Class</th>
</tr>
</thead>
<tbody>
<tr>
<td>7:00am</td>
<td>MTWTh</td>
</tr>
<tr>
<td>8:35am</td>
<td>MTWTh</td>
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<tr>
<td>10:10am</td>
<td>MTWTh</td>
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<tr>
<td>11:45am</td>
<td>MTWTh</td>
</tr>
<tr>
<td>12:40pm</td>
<td>MTWTh</td>
</tr>
</tbody>
</table>

5.00 Units

**MATHEMATICS 227**

**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.

<table>
<thead>
<tr>
<th>Time</th>
<th>Class</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:30am</td>
<td>MTWTh</td>
</tr>
<tr>
<td>9:30am</td>
<td>MTWTh</td>
</tr>
</tbody>
</table>

4.00 Units

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.

7:00am - 9:30am MTWTh AH/T E415

**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.

7:00am - 9:30am MTWTh AH/T E415

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

7:00am - 9:30am MTWTh AH/T E415

**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. Telephone: (818) 833-3594 or (800) 917-9277

**Mathematics 112**

**5.00 Units**

**MATHEMATICS 227**

5.00 Units
Math 227 is also offered through ITV. Please visit www.lamission.edu/itv. Telephone: (818) 833-3594 or (800) 917-9277

Mathematics 267
5.00 Units
COORDINATES, ROTATIONS, TECHNIQUES OF INTEGRATION; IMPROPER INTEGRALS, INFINITE SERIES AND POLAR
LOGARITHMIC FUNCTIONS, AND HYPERBOLIC FUNCTIONS; CONIC SECTIONS WITH TRANSLATIONS AND
This course includes differentiation and applications of the definite integral.

Prerequisite: Mathematics 265.

Calculus with Analytic Geometry II (UC:CSU)
5.00 Units
TRIGONOMETRIC IDENTITIES; SOLUTIONS OF RIGHT AND OBLIQUE TRIANGLES; INVERSE TRIGONOMETRIC
FUNCTIONS, AND THEIR GRAPHS IMPORTANT IN LATER COURSES OF MATHEMATICS, SCIENCE,
APPLIED CALCULUS FOR BUSINESS AND SOCIAL SCIENCE (UC:CSU)
5.00 Units
MATHEMATICS 125

1985
11:45am - 1:10pm
AH/T E413
1996
10:00am - 1:10pm
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
variables 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
techiques. It includes systemsatics, morphology, physiology, genetics, ecology and
1985
8:00am - 9:30am
MW
TBA

& lab
9:40am - 12:50pm
MW
CH/K 408

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 systemsatics, morphology,
1984
8:30am - 10:00am
TTh
TBA

& lab
10:10am - 11:40am
TTh
CH/K 408

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/K 302

& lab
7:00am - 10:10am
Th
CH/K 302

3307
6:00pm - 8:05pm
T
CH/K 302

& lab
6:00pm - 9:10pm
Th
CH/K 302

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
7:30am - 9:05am
F
CH/K 302

& lab
9:25am - 12:35pm
F
CH/K 302

derivatives, Lagrange multiplier, Line integrals, multiple integrals in polar, cylindrical
and spherical coordinates, Green's theorem, Surface integrals, Divergence and Stokes
theorems.
SPRING 2015 Class Schedule

February 9 to June 6

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 - 8:05am 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: REGNRSNG 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)
# SPRING 2015 Class Schedule

**February 9 to June 6**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Units</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>NURSING, REGISTERED 123</td>
<td>NURSING PROCESS</td>
<td>2.00</td>
<td>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.</td>
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<tr>
<td>NURSING, REGISTERED 125</td>
<td>NURSING PHARMACOLOGY</td>
<td>2.00</td>
<td>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.</td>
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<tr>
<td>NURSING, REGISTERED 126</td>
<td>MEDICAL-SURGICAL NURSING I (CSU)</td>
<td>5.00</td>
<td>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.</td>
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<tr>
<td>NURSING, REGISTERED 127</td>
<td>MEDICAL-SURGICAL NURSING II (CSU)</td>
<td>5.00</td>
<td>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.</td>
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<tr>
<td>NURSING, REGISTERED 128</td>
<td>MEDICAL-SURGICAL NURSING III (CSU)</td>
<td>3.00</td>
<td>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.</td>
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**Updated: November 5, 2014**
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  &lab  7:00am - 5:05pm  Th  MH 203  HOSP
(8 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.
7745  8:00am - 12:05pm  T  &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 126 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.
7752  8:00am - 12:05pm  Th  &lab  7:00am - 4:30pm  F  CA HOSP
(7 Week Class - Starts 2/9/2015, Ends 4/3/2015)

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. 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 135  3.50 Units
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 136  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. Telephone: (818) 833-3594 or (800) 917-9277

OFFICE MACHINES
Chair: Christine Ankretell, 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; Corequisite: Paralegal 10.
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
0197  9:00am - 10:05am  W  CH/K208
0198  10:05am - 11:20am  Th  CH/K208

PARALEGAL 005  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  Th  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.
0197  1:20pm - 2:45pm  Th  CH/K320
### Personal Development

**PERSONAL DEVELOPMENT 002**

**1.00 Unit**

**INTERPERSONAL RELATIONSHIPS (CSU)**

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.

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
<th>Days</th>
<th>Time</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ch/K 210</td>
<td>1.00</td>
<td>Th</td>
<td>11:45am - 1:10pm</td>
<td>MW</td>
</tr>
</tbody>
</table>

**PERSONAL DEVELOPMENT 004**

**1.00 Unit**

**CAREER PLANNING (CSU)**

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.

<table>
<thead>
<tr>
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<th>Time</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ch/K 210</td>
<td>1.00</td>
<td>T</td>
<td>1:00pm - 2:05pm</td>
<td>Th</td>
</tr>
</tbody>
</table>

### Physics

**PHYSICS 001**

**MECHANICS OF SOLIDS (UC:CSU)**

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.

<table>
<thead>
<tr>
<th>Course</th>
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<th>Days</th>
<th>Time</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>CH/K 420</td>
<td>4.00</td>
<td>T</td>
<td>12:10pm - 1:40pm</td>
<td>T</td>
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<tr>
<td>&amp;lab</td>
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<td>12:00pm - 3:10pm</td>
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</tbody>
</table>

**PHYSICS 002**

**MECHANICS OF FLUIDS, HEAT, AND SOUND (UC:CSU)**

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.

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
<th>Days</th>
<th>Time</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>CH/K 420</td>
<td>4.00</td>
<td>W</td>
<td>10:10am - 11:40am</td>
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<tr>
<td>&amp;lab</td>
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<td></td>
<td>12:00pm - 3:20pm</td>
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</tr>
</tbody>
</table>

### Philosophy

**PHILOSOPHY 001**

**INTRODUCTION TO PHILOSOPHY (UC:CSU)**

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.

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
<th>Days</th>
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</thead>
<tbody>
<tr>
<td>AH/T E210</td>
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<td>T</td>
<td>8:35am - 10:00am</td>
<td>MW</td>
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<tr>
<td>&amp;lab</td>
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<td>8:00am - 9:50am</td>
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</table>

**PHILOSOPHY 008**

**DEDUCTIVE LOGIC (UC:CSU)**

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.

<table>
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<tr>
<th>Course</th>
<th>Units</th>
<th>Days</th>
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<tbody>
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<td>10:00am - 11:30am</td>
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</table>

### Personal Development

**PERSONAL DEVELOPMENT 001**

**PROPERTY AND CREDITOR RIGHTS**

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.

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
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<td>MW</td>
<td>10:00am - 11:35am</td>
<td>TBA</td>
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</tbody>
</table>

**PARALEGAL 051**

**LEGAL RESEARCH**

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.

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
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<th>Location</th>
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**PARALEGAL 051**

**PROPERTY AND CREDITOR RIGHTS**

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.

<table>
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<tr>
<th>Course</th>
<th>Units</th>
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</table>

**PERSONAL DEVELOPMENT**

Chair: Thomas Dawkins, Juniper Hall, JH/ST-423, (213) 763-7358

**PERSONAL DEVELOPMENT 002**

**1.00 Unit**

**INTERPERSONAL RELATIONSHIPS (CSU)**

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.

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<tr>
<th>Course</th>
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<td>ST 401</td>
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<td>0.33</td>
<td>TTh</td>
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<td>AH/T E210</td>
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</table>

**PERSONAL DEVELOPMENT 004**

**1.00 Unit**

**CAREER PLANNING (CSU)**

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.

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**PERSONAL DEVELOPMENT 020**

**3.00 Units**

**POST-SECONDARY EDUCATION: THE SCOPE OF CAREER PLANNING (CSU)**

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.

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
<th>Days</th>
<th>Time</th>
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<td>TBA</td>
<td>AH/T E210</td>
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</table>

**PERSONAL DEVELOPMENT 022**

**1.00 Unit**

**THE TRANSFER PROCESS (UC:CSU)**

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.

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
<th>Days</th>
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<th>Location</th>
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<td>TBA</td>
<td>AH/T E210</td>
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</table>
## PHYSICS 006
**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.

<table>
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<tr>
<th>Time</th>
<th>Days</th>
<th>CRN</th>
<th>Notes</th>
<th>Location</th>
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<tbody>
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<td>W CH/K422</td>
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</table>

## PHYSICS 011
**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.

<table>
<thead>
<tr>
<th>Time</th>
<th>Days</th>
<th>CRN</th>
<th>Notes</th>
<th>Location</th>
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<tbody>
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<tr>
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<td>10:10am - 1:20pm</td>
<td>F CH/K422</td>
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<td>8:00am - 11:10am</td>
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</tbody>
</table>

## PHYSICS 012
**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.

<table>
<thead>
<tr>
<th>Time</th>
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## PHYSICS 014
**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.

<table>
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<tr>
<th>Time</th>
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<th>Location</th>
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## PHYSICS 029A
**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.

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<thead>
<tr>
<th>Time</th>
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<th>Notes</th>
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<tbody>
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<td>1765</td>
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<td>MW CH/K406</td>
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</tbody>
</table>

## PHYSICS 029B
**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.

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<tr>
<th>Time</th>
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<th>Notes</th>
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<tbody>
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</tbody>
</table>

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

## PHYSIOLOGY 001
**INTRODUCTION TO HUMAN PHYSIOLOGY (UC:CSU)**
Prerequisites: Anatomy 001 and Chemistry 51 or Chemistry 65 or Chemistry 101.

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<th>Time</th>
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<tbody>
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<td>1701</td>
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<tr>
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<td>9:35am - 12:45pm</td>
<td>Th CH/K422</td>
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## PLUMBING
Chair: William Elarton, Sequoia Hall - SQ/B-122, (213) 763-3701

### PLUMBING 026
**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.

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<tbody>
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</table>

### PLUMBING 031
**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.

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<th>CRN</th>
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<th>Location</th>
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<tbody>
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<td>TTh CH/K406</td>
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### PLUMBING 111
**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.

<table>
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<th>Time</th>
<th>Days</th>
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<th>Notes</th>
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<tbody>
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<td>1720</td>
<td>9:15am - 12:25pm</td>
<td>TTh CH/K422</td>
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### PLUMBING 112
**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).

<table>
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<th>CRN</th>
<th>Notes</th>
<th>Location</th>
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<tbody>
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<td>1</td>
<td>1721</td>
<td>7:40am - 9:05am</td>
<td>M CH/K406</td>
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### PLUMBING 113
**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.

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<tbody>
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<td>1722</td>
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### PLUMBING 121
**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.

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<tbody>
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<td>1723</td>
<td>7:00am - 8:25am</td>
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</table>

### PLUMBING 122
**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.

<table>
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<tr>
<th>Time</th>
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<tbody>
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<td>1724</td>
<td>7:00am - 8:25am</td>
<td>M CH/K406</td>
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</tbody>
</table>
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 with local and national codes.
8169  7:00am - 8:25am  MW  SQ/ B200B

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/ B200B
&lab  9:20am - 11:45am  MW  SQ/ B200B

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/ B200B
&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
COORDINATE 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
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.latcc.edu prior to the start of class for directions.

Political Science 1 is also offered through ITV. Please visit 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

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 - 2:30pm  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  W  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
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

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

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

Public Relations 1 is also offered through ITV. Please visit www.lamission.edu/itv. Telephone: (818) 833-3594 or (800) 917-9277
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, lens, 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 MWFTh 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 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 HVAC 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 troubleshooting procedures 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. Are practiced will be covered. The fundamentals of air conditioning, laws of thermodynamics, including the pressure temperature chart, latent heat, and system efficiency.
8311 7:00am - 10:10am F SQ/ B232

SPRING 2015 Class Schedule
F e b r u a r y 9 to June 6

Los Angeles Trade Technical College
Updated: November 5, 2014
### 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
**REFRIGERATION 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 operation cycle, and appropriate temperatures. 4764 8:00am - 10:30am SAT SQ/ B233 & lab 10:30am - 1:40pm SAT SQ/ B233

### REFRIGERATION & AIR CONDITIONING MECHANICS 161  4.00 Units
**AIR CONDITIONING SYSTEM PRINCIPLES AND PRACTICES**
This is a study of human comfort, psychrometrics 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 refrigeration systems, the study of refrigerants and their behavior in the system. 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 T Th SQ/ B250

### REFRIGERATION & AIR CONDITIONING MECHANICS 208  4.00 Units
**REFREGERENT 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

### 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

### REFRIGERATION & AIR CONDITIONING MECHANICS 941  4.00 Units
**COOPERATIVE EDUCATION-REFRIGERATION & AIR CONDITIONING MEGH**
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
### SIGN GRAPHICS

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

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Description</th>
<th>Units</th>
<th>Time/Location</th>
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<tbody>
<tr>
<td>SIGN GRAPHICS 101</td>
<td>INDIVIDUAL LETTERING</td>
<td>10.00</td>
<td>7:00am - 8:25am MW TTHF, 8:25am - 12:40pm MW TTHF</td>
</tr>
<tr>
<td>SIGN GRAPHICS 102</td>
<td>EXTERIOR DISPLAY SIGNS</td>
<td>10.00</td>
<td>7:00am - 8:25am MW TTHF, 8:25am - 12:40pm MW TTHF</td>
</tr>
<tr>
<td>SIGN GRAPHICS 103</td>
<td>WINDOW SIGNS</td>
<td>10.00</td>
<td>7:00am - 8:25am MW TTHF, 8:25am - 12:40pm MW TTHF</td>
</tr>
<tr>
<td>SIGN GRAPHICS 201</td>
<td>FUNDAMENTALS OF MURAL PAINTING</td>
<td>2.00</td>
<td>7:00am - 8:25am MW TTHF, 8:25am - 12:40pm MW TTHF</td>
</tr>
<tr>
<td>SIGN GRAPHICS 203</td>
<td>SILK SCREEN PROCESSING 1 (RPT 1)</td>
<td>2.00</td>
<td>9:00am - 3:45pm SAT</td>
</tr>
<tr>
<td>SIGN GRAPHICS 204</td>
<td>SILK SCREEN PROCESSING II</td>
<td>2.00</td>
<td>9:00am - 3:45pm SAT</td>
</tr>
</tbody>
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### SOLID WASTE MANAGEMENT TECHNOLOGY

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

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<tr>
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<th>Time/Location</th>
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<tbody>
<tr>
<td>SOLID WASTE MANAGEMENT TECHNOLOGY 101</td>
<td>INTRODUCTION TO SOLID WASTE MANAGEMENT</td>
<td>3.00</td>
<td>6:00pm - 9:10pm MW</td>
</tr>
<tr>
<td>SOLID WASTE MANAGEMENT TECHNOLOGY 108</td>
<td>SOLID WASTE FACILITIES</td>
<td>3.00</td>
<td>6:00pm - 9:10pm MW</td>
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</tbody>
</table>

*Sociology 11 is also offered through ITV. Please visit www.lamission.edu/itv. Telephone: (818) 833-3594 or (800) 917-9277*
interpersonal skills approach places greater emphasis on the application of knowledge and skill in human relations, employee relations, training, rating, quality control, and management responsibilities for organization, human relations, training, rating, quality control, and management.

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 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.

**SUPervision 001**

**ELEments of Supervision (CSU)**

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.

Instruction will focus on those human relations 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.

**Human Relations (Developing Supervisory Leadership)**

Instruction will focus on those human relations 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.

**Supervision 001**

**ELEments of Supervision (CSU)**

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.

Instruction will focus on those human relations 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.

**Human Relations (Developing Supervisory Leadership)**

Instruction will focus on those human relations 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.

**Supervision 002**

**ELEments of Supervision II (UC:CSU)**

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.

**Supervision 003**

**Human Relations (Developing Supervisory Leadership)**

Instruction will focus on those human relations 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.

**Supervision 004**

**Human Relations (Developing Supervisory Leadership)**

Instruction will focus on those human relations 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.

**Supervision 005**

**Human Relations (Developing Supervisory Leadership)**

Instruction will focus on those human relations 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.

**Supervision 006**

**Human Relations (Developing Supervisory Leadership)**

Instruction will focus on those human relations 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.

**Supervision 007**

**Human Relations (Developing Supervisory Leadership)**

Instruction will focus on those human relations 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.

**Supervision 008**

**Human Relations (Developing Supervisory Leadership)**

Instruction will focus on those human relations 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.
### VISUAL COMMUNICATIONS

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Title</th>
<th>Units</th>
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<tbody>
<tr>
<td>100</td>
<td>DESIGN I (CSU)</td>
<td>2.00</td>
<td>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.</td>
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<tr>
<td>103</td>
<td>BASIC COMPUTER SYSTEMS (CSU)</td>
<td>2.00</td>
<td>Introduction to using the Macintosh computer for graphic design. Students will learn basic computer functionality, with an emphasis on understanding the operations systems, configuration for use with graphic applications, file management and working in a network environment.</td>
</tr>
<tr>
<td>105</td>
<td>DIGITAL PREPRESS I (CSU)</td>
<td>2.00</td>
<td>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.</td>
</tr>
<tr>
<td>106</td>
<td>DRAWING I (CSU)</td>
<td>2.00</td>
<td>Introduction to concepts of basic observational drawing, perspective and the principles of light and shade. Black and white and color mediums will be utilized.</td>
</tr>
<tr>
<td>108</td>
<td>2-D DESIGN FUNDAMENTALS (CSU)</td>
<td>2.00</td>
<td>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.</td>
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<td>Course Title</td>
<td>Units</td>
<td>Course Description</td>
<td>Dates</td>
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<tr>
<td>VISUAL COMMUNICATIONS 124</td>
<td>2.00 Units</td>
<td>An advanced 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.</td>
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<tr>
<td>COMPUTER ILLUSTRATION I (CSU)</td>
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<td>7265 7:00am - 7:35am ThF CY/ D330 &amp;lab 7:35am - 12:20pm ThF CY/ D330 (8 Week Class - Starts 2/9/2015, Ends 4/3/2015)</td>
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<tr>
<td>VISUAL COMMUNICATIONS 126</td>
<td>2.00 Units</td>
<td>This is a 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.</td>
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<tr>
<td>PORTFOLIO DEVELOPMENT I (CSU)</td>
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<td></td>
<td></td>
<td>7266 7:00am - 7:35am TW CY/ D330 &amp;lab 7:35am - 12:20pm TW CY/ D330 (9 Week Class - Starts 4/13/2015, Ends 6/7/2015)</td>
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</tr>
<tr>
<td>VISUAL COMMUNICATIONS 127</td>
<td>2.00 Units</td>
<td>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.</td>
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<td>DIGITAL PREPRESS III (CSU)</td>
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<td></td>
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<td>7267 7:00am - 7:35am ThF CY/ D303 &amp;lab 7:35am - 12:20pm ThF CY/ D303 (9 Week Class - Starts 4/13/2015, Ends 6/7/2015)</td>
<td></td>
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<tr>
<td>VISUAL COMMUNICATIONS 129</td>
<td>2.00 Units</td>
<td>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.</td>
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<tr>
<td>DIGITAL PHOTO MANIPULATION (CSU)</td>
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<td>7269 12:45pm - 1:45pm T CY/ D330 &amp;lab 1:45pm - 3:00pm Th CY/ D330 (8 Week Class - Starts 2/9/2015, Ends 4/3/2015)</td>
<td></td>
</tr>
<tr>
<td>VISUAL COMMUNICATIONS 130</td>
<td>2.00 Units</td>
<td>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.</td>
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<td>DRAWING III (CSU)</td>
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<td></td>
<td>7270 7:00am - 7:35am TW CY/ D301 &amp;lab 7:35am - 12:20pm TW CY/ D301 (8 Week Class - Starts 2/9/2015, Ends 4/3/2015)</td>
<td></td>
</tr>
<tr>
<td>VISUAL COMMUNICATIONS 131</td>
<td>2.00 Units</td>
<td>This course provides instruction 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.</td>
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<tr>
<td>COMPUTER ILLUSTRATION II (CSU)</td>
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<td>7271 7:00am - 7:35am ThF CY/ D330 &amp;lab 7:35am - 12:20pm ThF CY/ D330 (8 Week Class - Starts 2/9/2015, Ends 4/3/2015)</td>
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<tr>
<td>VISUAL COMMUNICATIONS 132</td>
<td>2.00 Units</td>
<td>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.</td>
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<tr>
<td>PORTFOLIO DEVELOPMENT II (CSU)</td>
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<tr>
<td></td>
<td></td>
<td>7272 7:00am - 7:35am TW CY/ D330 &amp;lab 7:35am - 12:20pm TW CY/ D330 (9 Week Class - Starts 4/13/2015, Ends 6/7/2015)</td>
<td></td>
</tr>
<tr>
<td>VISUAL COMMUNICATIONS 133</td>
<td>2.00 Units</td>
<td>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.</td>
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<tr>
<td>DIGITAL PORTFOLIO PREPARATION (CSU)</td>
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<td></td>
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<td>7273 7:00am - 7:35am ThF CY/ D303 &amp;lab 7:35am - 12:20pm ThF CY/ D303 (9 Week Class - Starts 4/13/2015, Ends 6/7/2015)</td>
<td></td>
</tr>
<tr>
<td>VISUAL COMMUNICATIONS 134</td>
<td>2.00 Units</td>
<td>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.</td>
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<tr>
<td>GRAPHIC DESIGN BUSINESS PRACTICES (CSU)</td>
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<td></td>
<td>7275 7:00am - 9:15am M CY/ D302 (9 Week Class - Starts 2/9/2015, Ends 4/3/2015)</td>
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<tr>
<td>VISUAL COMMUNICATIONS 135</td>
<td>2.00 Units</td>
<td>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.</td>
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<tr>
<td>WEB PAGE GRAPHICS ON THE MACINTOSH (CSU)</td>
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<td>7274 9:30am - 11:45am M CY/ D303 &amp;lab 11:45am - 2:00pm M CY/ D303 (9 Week Class - Starts 4/13/2015, Ends 6/7/2015)</td>
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<tr>
<td>WASTEWATER TECHNOLOGY</td>
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<td></td>
<td></td>
<td>8011 6:00pm - 9:20pm T OH/ F214</td>
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<tr>
<td>WASTEWATER TECHNOLOGY 017</td>
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<td>WASTEWATER OPERATIONS VI</td>
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<td></td>
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<td>8013 6:00pm - 9:10pm Th OH/ F223</td>
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<td>WELDING GAS AND ELECTRIC</td>
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<tr>
<td>WELDING GAS AND ELECTRIC 101</td>
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<tr>
<td>FLUX CORED ARC WELDING</td>
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<td>4809 6:00pm - 6:45pm MT OH/ F156 &amp; lab 6:45pm - 9:10pm MT OH/ F156 (9 Week Class - Starts 2/9/2015, Ends 4/3/2015)</td>
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<tr>
<td>WELDING GAS AND ELECTRIC 102</td>
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<tr>
<td>PIPE HORIZONTAL(2G) AND UPHILL(5G) (NDA) (RPT 3)</td>
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<tr>
<td>WELDING RELATED TECHNICAL INSTRUCTIONS I</td>
<td></td>
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<td>8202 10:10am - 1:20pm T OH/ F151</td>
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<tr>
<td>WELDING GAS AND ELECTRIC 113</td>
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<td>WELDING GAS AND ELECTRIC 132</td>
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**SPRING 2015 Class Schedule**

**February 9 to June 6**

Los Angeles Trade Technical College
Updated: November 5, 2014
### 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

### Saturdays at Southwest & City Colleges • Sundays at Pierce & Valley Colleges • First class is AM / Second is PM

#### SESSION A Spring 2015 February 9 - April 12

<table>
<thead>
<tr>
<th>Classes</th>
<th>Section</th>
<th>Saturday Campus</th>
<th>Sunday Campus</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anthropology 101</td>
<td>7285</td>
<td>C/SW</td>
<td>P/V</td>
</tr>
<tr>
<td>Economics 1</td>
<td>7286</td>
<td>C/SW</td>
<td>P/V</td>
</tr>
<tr>
<td>English 101</td>
<td>7287</td>
<td>C/SW</td>
<td>P/V</td>
</tr>
<tr>
<td>History 11</td>
<td>7288</td>
<td>C/SW</td>
<td>P/V</td>
</tr>
<tr>
<td>Mathematics 125</td>
<td>7290</td>
<td>SW/C</td>
<td>V/P</td>
</tr>
<tr>
<td>Oceanography 1</td>
<td>7291</td>
<td>SW/C</td>
<td>V/P</td>
</tr>
<tr>
<td>Philosophy 1</td>
<td>7292</td>
<td>SW/C</td>
<td>V/P</td>
</tr>
<tr>
<td>Political Science 1</td>
<td>7293</td>
<td>SW/C</td>
<td>V/P</td>
</tr>
<tr>
<td>Psychology 1</td>
<td>7294</td>
<td>SW/C</td>
<td>V/P</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Classes</th>
<th>Section</th>
<th>Saturday Campus</th>
<th>Sunday Campus</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anthropology 102</td>
<td>7295</td>
<td>C/SW</td>
<td>P/V</td>
</tr>
<tr>
<td>English 102</td>
<td>7296</td>
<td>C/SW</td>
<td>P/V</td>
</tr>
<tr>
<td>Health 11</td>
<td>7297</td>
<td>C/SW</td>
<td>P/V</td>
</tr>
<tr>
<td>History 12</td>
<td>7298</td>
<td>C/SW</td>
<td>P/V</td>
</tr>
<tr>
<td>Mathematics 227</td>
<td>7299</td>
<td>SW/C</td>
<td>V/P</td>
</tr>
<tr>
<td>Political Science 1</td>
<td>7201</td>
<td>SW/C</td>
<td>V/P</td>
</tr>
<tr>
<td>Psychology 41</td>
<td>7202</td>
<td>SW/C</td>
<td>V/P</td>
</tr>
<tr>
<td>Sociology 1</td>
<td>7203</td>
<td>SW/C</td>
<td>V/P</td>
</tr>
</tbody>
</table>

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

#### SUMMER SESSION June 15 - August 2

<table>
<thead>
<tr>
<th>Classes</th>
<th>Section</th>
<th>Saturday Campus</th>
<th>Sunday Campus</th>
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</thead>
<tbody>
<tr>
<td>Anthropology 101</td>
<td>7204</td>
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<tr>
<td>Economics 1</td>
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<td>P/V</td>
</tr>
<tr>
<td>English 101</td>
<td>7206</td>
<td>C/SW</td>
<td>P/V</td>
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<tr>
<td>History 11</td>
<td>7207</td>
<td>C/SW</td>
<td>P/V</td>
</tr>
<tr>
<td>Mathematics 227</td>
<td>7208</td>
<td>C/SW</td>
<td>P/V</td>
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<tr>
<td>Oceanography 1</td>
<td>7209</td>
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<td>V/P</td>
</tr>
<tr>
<td>Philosophy 1</td>
<td>7210</td>
<td>SW/C</td>
<td>V/P</td>
</tr>
<tr>
<td>Political Science 1</td>
<td>7211</td>
<td>SW/C</td>
<td>V/P</td>
</tr>
<tr>
<td>Psychology 41</td>
<td>7212</td>
<td>SW/C</td>
<td>V/P</td>
</tr>
</tbody>
</table>

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 • **Telephone:** 818/833-3594 or 800/917-9277
Los Angeles Trade-Technical College
400 W. Washington Blvd.
Los Angeles, CA 90015

Material available in alternate media format upon request