



Fall 2014 Class Schedule

September 2nd to
December 20th

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LOS ANGELES TRADE-TECH
LATTC
A Community College

Accuracy Statement:

The Los Angeles Community College District and Los Angeles Trade-Technical College have made every effort to make this schedule accurate and may, without notice, change general information, courses, or programs offered. The reasons for change may include student enrollment, level of funding, or other issues decided by the district or college. The district and college also reserve the right to add, change, or cancel any rules, regulations, policies and procedures as provided by law.

Please refer to the electronic version of the schedule for up-to-date/current schedule information.

www.lattc.edu/pls/trade11/sc.fall

FALL 2014 Class Schedule

ACCOUNTING

Chair: Paulette Bailey,
Cedar Hall - CH/K-225, (213) 763-7269

ACCOUNTING 001 5.00 Units

INTRODUCTORY ACCOUNTING I (UC:CSU)

Advisory: Business 38 and English 21.

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

0101	8:35am - 9:45am	MTWTh	CH/ K262
3001	8:00am - 1:20pm	SAT	CH/ K210
3003	6:00pm - 8:30pm	TTh	CH/ K324

ACCOUNTING 002 5.00 Units

INTRODUCTORY ACCOUNTING II (UC:CSU)

Prerequisite: Accounting 1.

Continues the introductory phase of accounting. Topics covered include: Partnerships, Corporations, Income Tax, Bonds, Cash Flow, Financial Statement Analysis, Managerial Accounting, Job Order and Process Cost Systems, Cost Behavior and Analysis, Budgeting, Performance Evaluation, Product Pricing, Capital Investment Analysis.

0102	1:30pm - 6:10pm	SAT	CH/ K304
3002	6:00pm - 8:30pm	MW	CH/ K304

ADMINISTRATION OF JUSTICE

Chair: Alicia Rodriguez-Estrada,
Aspen Hall - AH/TE-516, (213) 763-3938

ADMINISTRATION OF JUSTICE 001 3.00 Units

INTRODUCTION TO ADMINISTRATION OF JUSTICE (UC:CSU)

Philosophy, history, and theories of the criminal justice system, including the origins and evolution of criminal law and due process, the roles and functions of the local, state, and federal jurisdictions, and the interrelationships among criminal justice agencies: law enforcement, courts, and corrections; crime causation, analysis and the social impact of crime. The conceptual approach utilized in this course recognizes that criminal justice is itself a distinct academic discipline rather than an interdisciplinary course of study. Three hours lecture per week.

4650	6:00pm - 9:10pm	W	AH/T E315
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ADMINISTRATION OF JUSTICE 008 3.00 Units

JUVENILE PROCEDURES (CSU)

This course covers the juvenile justice system and related juvenile justice issues. Topics include an overview of the juvenile justice system, treatment and prevention programs, history, theories, methodology, and special areas and laws unique to juveniles.

4651	6:00pm - 9:10pm	M	AH/T E315
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ADMINISTRATION OF JUSTICE 502 3.00 Units

INTRODUCTION TO FORENSIC PSYCHOLOGY (CSU)

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.

4652	6:00pm - 9:10pm	T	AH/T E315
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AMERICAN SIGN LANGUAGE

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

AMERICAN SIGN LANGUAGE 001 4.00 Units

AMERICAN SIGN LANGUAGE I (UC:CSU)

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

0760	10:00am - 12:05pm	MW	MH 305
0761	12:30pm - 2:35pm	MW	MH 309
3500	6:00pm - 8:05pm	TTh	MH 305

AMERICAN SIGN LANGUAGE 002 4.00 Units

AMERICAN SIGN LANGUAGE II (UC:CSU)

Prerequisite: American Sign Language I.

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

0762	8:00am - 10:05am	MW	MH 305
3501	6:00pm - 8:05pm	TTh	MH 309

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.

1633	11:00am - 12:00pm	MW	CH/ K406
&	12:00pm - 2:10pm	MW	CH/ K468
1634	2:20pm - 5:30pm	M	CH/ K468
&	2:20pm - 5:30pm	W	CH/ K468
1635	11:30am - 12:30pm	TTh	CH/ K406
&	12:30pm - 2:40pm	TTh	CH/ K468
4097	6:30pm - 9:40pm	T	CH/ K468
&	6:30pm - 9:40pm	Th	CH/ K468

ANTHROPOLOGY

Chair: Alicia Rodriguez-Estrada,
Aspen Hall - AH/TE-516, (213) 763-3938

ANTHROPOLOGY 101 3.00 Units

HUMAN BIOLOGICAL EVOLUTION (UC:CSU)

Advisory: English 28.

This course is an introduction to the field of biological anthropology.

Topics covered include genetic inheritance, the mechanisms of evolution, the biology and behavior of living primates, the history of human evolution as seen in the fossil record, and modern human biological variation.

1000	8:35am - 10:00am	MW	AH/T E315
1001	11:45am - 1:10pm	M	AH/T E315
1002	10:10am - 11:35am	TTh	AH/T E315
3601	6:00pm - 9:10pm	T	AH/T E323
7971	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, or see the "Online Class" section of this schedule for more information.

Anthropology 101 is also offered through ITV. Please see schedule ad on page 58

FALL 2014 Class Schedule

ANTHROPOLOGY 102 **3.00 Units**
HUMAN WAYS OF LIFE: CULTURAL ANTHROPOLOGY (UC:CSU)

Advisory: English 28.

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

1003	10:10am - 11:35am	MW	AH/T E315
1004	8:35am - 10:00am	TTh	AH/T E315

ANTHROPOLOGY 102H **3.00 Units**
HUMAN WAYS OF LIFE: CULTURAL ANTHROPOLOGY – HONORS (UC:CSU)

Advisory: English 28.

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

1169	8:35am - 10:00am	TTh	AH/T E315
1170	10:10am - 11:35am	MW	AH/T E315

Anthropology 102 is also offered through ITV. Please see schedule ad on page 58

ARCHITECTURAL INTERIORS

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

ARCHITECTURAL INTERIORS 200 **3.00 Units**
RESIDENTIAL PLANNING (CSU)

Using sustainable Design strategies, standards and geospatial tools (CAD/BIM/GIS), the student will learn how to participate in the interior design profession as a viewer and a doer for the entire life cycle of a building and focusing on interior residential planning. Basic concepts will be covered in class to understand the fundamentals variables that determine interior spaces: lights, air, circulation, texture, pattern, geometry, experience, styles, natural resources, energy efficiency, form, materials, thermal/moisture protection and others. A study is made using a small house project layout, livability, functionality, size, orientation, cost, furnishing, equipment, and ornamentation and future inhabitants. The small house project is put in context through a brief history of American shelters their construction types and styles. At this point the student is ready for developing, retrofitting, adding and remodeling the small house project including basic interior construction details and finishes. Residential construction problems are explored with an emphasis placed in functional design.

8039	7:00am - 8:05am	TTh	CY/ D302
&	8:05am - 9:35am	TTh	CY/ D302

ARCHITECTURE

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

ARCHITECTURE 130 **2.00 Units**
HISTORY OF ARCHITECTURE I (UC:CSU)

This course covers the study of architecture history from the prehistoric times to the Renaissance, the development of place and function as it is influenced by the geographical, climatic, religious, social, economic and historical forces. This course analyzes the difference between world architecture history and western architecture history, including the characteristics of Latin America, Islamic and Asia. The history of architecture is 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.

8021	12:45pm - 1:50pm	MW	CY/ D302
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ARCHITECTURE 152 **3.00 Units**
EQUIPMENT OF BUILDINGS (CSU)

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

8001	9:45am - 10:50am	TTh	STAFF	CY/ D303
&	10:50am - 12:20pm	TTh	STAFF	CY/ D303

ARCHITECTURE 172 **3.00 Units**
ARCHITECTURAL DRAWING I (CSU)

This is an architecture drawing class that will focus on construction documents for wood construction. The course will cover how these architectural drawings are documents that instruct all the stake holders how to use, build and maintain a high performance building. The course will explain how construction documents made out of wood 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). This course will also cover CAD, BIM, GIS tools, LEED Credits, Sustainable Standards and their relationship to a set of construction documents for wood construction. Fundamentals of architectural drafting, symbols, dimensioning, and methods of representation are also mastered during this course. The student will prepare a set of construction documents for a simple wood building structure.

8036	9:45am - 10:50am	MW	CY/ D331
&	10:50am - 12:20pm	MW	CY/ D331

ARCHITECTURE 201 **3.00 Units**
ARCHITECTURAL DESIGN I (UC:CSU)

This course will use sustainable strategies and geospatial tools to explore architecture design solutions. In this course students will work in a design laboratory studio exploring space and form. The solutions focus on analysis, proportion, solar passive, water conservation, biomimicry, planning layout, aesthetic, interpretation, and the nature of materials. Methods of presentations are studied, as well as design methodologies.

8042	7:00am - 8:05am	TTh	CY/ D302
&	8:05am - 9:35am	TTh	CY/ D302

ARCHITECTURE 271 **3.00 Units**
ARCHITECTURAL DRAWING III (CSU)

This is an architecture drawing class that will focus on construction documents for steel construction. The course will cover how these architectural drawings are documents that instruct all the stake holders 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). The student will prepare a complete set of construction documents for a simple steel building structure. Appropriate reference material that focus on concrete and masonry will be covered in class like fastening, flashing, crack control and others.

8040	9:45am - 10:50am	MW	CY/ D331
&	10:50am - 12:20pm	MW	CY/ D331

FALL 2014 Class Schedule

ART

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

ART 101 3.00 Units SURVEY OF ART HISTORY I (UC:CSU)

This course encompasses the historic study of architecture, painting and sculpture, with incidental references to the related minor arts. A survey is made of the chronological development of Western and non-European art from the Prehistoric to the Renaissance, with special emphasis upon the cultural factors that contributed to its evolution.

1425	7:00am - 8:25am	MW	MH 308
1426	10:10am - 11:35am	MW	MH 308
1427	12:00pm - 1:25pm	MW	MH 308
3849	6:00pm - 9:10pm	M	MH 309
3850	6:00pm - 9:10pm	Th	AH/T E206

ART 102 3.00 Units SURVEY OF ART HISTORY II (UC:CSU)

A survey of the major visual arts of the Western world from the Early Renaissance to the present, linking art and architecture with social, economic, political and religious aspects of western and global cultures.

1428	8:35am - 10:00am	MW	MH 308
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ART 103 3.00 Units ART APPRECIATION I (UC:CSU)

This course is designed specifically for those students who desire to expand their visual awareness through training in visual perceptual skills. The course includes exploration of the basic elements of art; visual skills are enhanced by practice in drawing techniques based on perception. Students will acquire a broad understanding of the nature of art through study of selected works from art history.

1429	10:10am - 11:35am	TTh	MH 305
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ART 201 3.00 Units DRAWING I (UC:CSU)

Instruction is given in basic pencil drawing, charcoal, pastel, and other sketching media. Painting in wash, ink, and watercolor, from still life and outdoor assignments is included. This is a course for beginners and non art majors, as well as, a brush up course for artists.

1430	8:00am - 9:05am	TTh	MH 309
&	9:05am - 10:05am	TTh	MH 309
1431	12:30pm - 1:35pm	MW	MH 305
&	1:35pm - 2:35pm	MW	MH 305
1432	10:10am - 11:05am	MW	MH 305
&	11:05am - 12:15pm	MW	MH 305

ART 300 3.00 Units INTRODUCTION TO PAINTING (UC:CSU)

An introduction to various painting materials, media, and techniques. Emphasis is placed on color mixing, value, intensity and compositional organization.

1433	10:10am - 11:10am	TTh	MH 309
&	11:10am - 12:15pm	TTh	MH 309

ART 501 3.00 Units BEGINNING TWO-DIMENSIONAL DESIGN (UC:CSU)

This course introduces the elements and principles of two-dimensional (flat) design in the visual arts. Color, color theory, psychology of perception, and historical and cultural foundations are explored.

1434	12:30pm - 1:35pm	TTh	MH 305
&	1:35pm - 2:35pm	TTh	MH 305

ASTRONOMY

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

ASTRONOMY 001 3.00 Units ELEMENTARY ASTRONOMY (UC:CSU)

This course is a general introduction and overview of Astronomy and covers many topics including constellations, seasons, history of Astronomy, the electromagnetic spectrum, telescopes, the Earth and other planets of our solar system, the Sun, binary stars, the Milky Way Galaxy, properties of galaxies and the Big Bang Theory. Students are kept abreast of current developments in the field.

1600	7:00am - 8:25am	MW	CH/ K406
1601	1:25pm - 2:50pm	MW	MH 309
1602	10:10am - 11:35am	TTh	CH/ K406
4047	6:00pm - 9:10pm	W	CH/ K406
4045	5:00pm - 6:25pm	TTh	USC

First Class meeting at Los Angeles Trade Tech College in Room K-420. Contact Science Department at (213) 763-7295 for inquiries.
USC - University Park Campus

ASTRONOMY 005 1.00 Unit FUNDAMENTALS OF ASTRONOMY LABORATORY (UC:CSU)

This course provides the laboratory work to accompany or follow Astronomy 1. This course uses astronomical instruments and laboratory equipment. Includes work with celestial sphere, sky charts, optical bench, telescopes, spectrosopes, and photometer. The course requires field trips for evening observations.

1603	lab	7:00am - 10:10am	T	CH/ K420
4046	lab	7:00pm - 8:25pm	TTh	USC

First Class Meeting at Los Angeles Trade Tech College in Room K-420. Contact Science Department at (213) 763-7295 for inquiries.
USC - University Park Campus

AUTOMOTIVE AND RELATED TECHNOLOGY

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

AUTOMOTIVE AND RELATED TECHNOLOGY 100 3.00 Units HEATING AND AIR CONDITIONING SYSTEMS THEORY, INSPECTION & RPR

Instruction is offered in the area of (HVAC) heating, ventilation & air conditioning systems, with emphasis on function & testing of heater controls, heater cores, air conditioning compressors, clutch & controls.

4382	5:35pm - 6:30pm	TTh	OH/ F128
&	6:30pm - 9:30pm	TTh	OH/ F128
7490	7:00am - 7:50am	MTWThF	OH/ F120
&	7:50am - 12:00pm	MTWThF	OH/ F106

(6 Week Class - Starts 11/10/2014, Ends 12/18/2014)

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.

4383	5:35pm - 6:30pm	MW	OH/ F130
&	6:30pm - 9:30pm	MW	OH/ F130
7338	7:00am - 7:50am	MTWThF	OH/ F130
&	7:50am - 12:00pm	MTWThF	OH/ F130

(5 Week Class - Starts 9/2/2014, Ends 10/3/2014)

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7339	7:00am - 7:50am	MTWThF	OH/ F130
&	7:50am - 12:00pm	MTWThF	OH/ F130
(5 Week Class - Starts 10/6/2014, Ends 11/7/2014)			
7340	7:00am - 7:50am	MTWThF	OH/ F130
&	7:50am - 12:00pm	MTWThF	OH/ F130
(6 Week Class - Starts 11/10/2014, Ends 12/18/2014)			
7341	7:30am - 8:35am	SAT	OH/ F130
&	8:35am - 3:15pm	SAT	OH/ F130

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.

4385	5:35pm - 6:30pm	MW	OH/ F116
&	6:30pm - 9:30pm	MW	OH/ F108
7353	7:00am - 7:50am	MTWThF	OH/ F108
&	7:50am - 12:00pm	MTWThF	OH/ F108

(5 Week Class - Starts 9/2/2014, Ends 10/3/2014)

7354	7:00am - 7:50am	MTWThF	OH/ F108
&	7:50am - 12:00pm	MTWThF	OH/ F108

(6 Week Class - Starts 11/10/2014, Ends 12/18/2014)

7355	7:00am - 7:50am	MTWThF	OH/ F108
&	7:50am - 12:00pm	MTWThF	OH/ F108

(5 Week Class - Starts 10/6/2014, Ends 11/7/2014)

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

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

4400	5:35pm - 6:30pm	TTh	OH/ F120
&	6:30pm - 9:30pm	TTh	OH/ F106
7342	7:00am - 7:50am	MTWThF	OH/ F122
&	7:50am - 12:00pm	MTWThF	OH/ F122

(5 Week Class - Starts 9/2/2014, Ends 10/3/2014)

7348	12:30pm - 1:15pm	MW	OH/ F108
&	1:15pm - 4:40pm	MW	OH/ F108

AUTOMOTIVE AND RELATED TECHNOLOGY 122 3.00 Units **ELECTRICAL/ELECTRONIC SYSTEMS THEORY, INSPECTION & REPAIR (CSU)**

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

4384	5:35pm - 6:30pm	MW	OH/ F128
&	6:30pm - 9:30pm	MW	OH/ F128
7343	7:00am - 7:50am	MTWThF	OH/ F128
&	7:50am - 12:00pm	MTWThF	OH/ F128

(5 Week Class - Starts 9/2/2014, Ends 10/3/2014)

7349	7:00am - 7:50am	MTWThF	OH/ F128
&	7:50am - 12:00pm	MTWThF	OH/ F128

(5 Week Class - Starts 10/6/2014, Ends 11/7/2014)

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 - 6:30pm	TTh	OH/ F116
& lab	6:30pm - 9:30pm	TTh	OH/ F108

7344	7:00am - 7:50am	MTWThF	OH/ F116
& lab	7:50am - 12:00pm	MTWThF	OH/ F108
(5 Week Class - Starts 9/2/2014, Ends 10/3/2014)			
7350	7:00am - 7:50am	MTWThF	OH/ F116
& lab	7:50am - 12:00pm	MTWThF	OH/ F108
(6 Week Class - Starts 11/10/2014, Ends 12/18/2014)			

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

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

7358	7:00am - 7:50am	MTWThF	OH/ F120
& lab	7:50am - 12:00pm	MTWThF	OH/ F106

(5 Week Class - Starts 9/2/2014, Ends 10/3/2014)

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.

4387	5:35pm - 6:30pm	TTh	OH/ F130
& lab	6:30pm - 9:30pm	TTh	OH/ F104

7360	7:00am - 7:50am	MTWThF	OH/ F120
& lab	7:50am - 12:00pm	MTWThF	OH/ F106

(5 Week Class - Starts 10/6/2014, Ends 11/7/2014)

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

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

7356	7:00am - 7:50am	MTWThF	OH/ F116
& lab	7:50am - 12:00pm	MTWThF	OH/ F108

(5 Week Class - Starts 10/6/2014, Ends 11/7/2014)

7357	7:00am - 7:50am	MTWThF	OH/ F128
& lab	7:50am - 12:00pm	MTWThF	OH/ F104

(6 Week Class - Starts 11/10/2014, Ends 12/18/2014)

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

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

7364	7:00am - 7:50am	MTWThF	OH/ F124
& lab	7:50am - 12:00pm	MTWThF	OH/ F104

(5 Week Class - Starts 9/2/2014, Ends 10/3/2014)

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

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

7365	7:00am - 7:50am	MTWThF	OH/ F124
& lab	7:50am - 12:00pm	MTWThF	OH/ F104

(5 Week Class - Starts 10/6/2014, Ends 11/7/2014)

FALL 2014 Class Schedule

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

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

7366 7:00am - 7:50am MTWThF OH/ F124
& lab 7:50am - 12:00pm MTWThF OH/ F104

(6 Week Class - Starts 11/10/2014, Ends 12/18/2014)

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

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

9024 4:25 hrs/wk TBA CY/ D236

AUTOMOTIVE COLLISION REPAIR

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

AUTOMOTIVE COLLISION REPAIR 112 9.00 Units **AUTO BODY CONSTRUCTION, REPAIR AND WELDING FUNDAMENTALS**

This course covers basic auto body construction types, nomenclature, body adjustments, and repairs. Instruction includes welding on high strength steels, alloys, and plastic composites. Replacement of structural and non-structural auto body components is also covered.

7300 7:00am - 7:50am MTWTh OH/ F132
& lab 7:50am - 12:20pm MTWTh OH/ F110

AUTOMOTIVE COLLISION REPAIR 132 9.00 Units **UNITIZED BODY PANEL, SECTION, & FRAME; REPLACEMENT & ALIGNMENT**

7307 12:30pm - 1:20pm MTWTh OH/ F132
& lab 1:20pm - 5:50pm MTWTh OH/ F110

AUTOMOTIVE COLLISION REPAIR 226 3.00 Units **AUTOMOTIVE COLLISION REPAIR I**

This course introduces students to MIG welding, aluminum welding, and resistance welding. Students will learn to repair and replace body panels on unibody and full-frame vehicles. Repairing and replacing structural panels made of High Strength Steel (HSS), Advanced High Strength Steel (AHSS), and Ultra High Strength Steel (UHSS) are incorporated into this course. Students will learn aluminum welding techniques and panel bonding for both aluminum and steels. Students will understand the proper techniques of body/structural sectioning and anti-corrosion protection. Students will repair vehicles to industry standards.

4870 6:00pm - 6:30pm TTh OH/ F132
& lab 6:30pm - 9:45pm TTh OH/ F110

AUTOMOTIVE COLLISION REPAIR 227 3.00 Units **AUTO BODY AND FENDER II**

This course offers advanced training in refinishing, color mixing and matching of OEM (Original Equipment manufacturer) color codes. Proper paint gun operation and use of air pressure and spray patterns are emphasized, as well as VOC (Volatile Organic Compounds) log calculation systems. Students will learn to repair/repaint as required to I-CAR and industry standards. This course will emphasize on the STAR Training Program whose goal is to train technicians to reduce material consumption costs and pollution through increased spray efficiency.

4871 7:30am - 8:35am SAT OH/ F132
& lab 8:35am - 3:15pm SAT OH/ F110

BAKING, PROFESSIONAL

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

BAKING, PROFESSIONAL 112 4.00 Units **BAKING PROCESSES AND THEORY OF INGREDIENTS** Corequisite: Culinary Arts 112.

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

7541 9:30am - 11:00am TWTh SA/ H314
& lab 11:00am - 3:30pm TWTh SA/ H315

(8 Week Class - Starts 10/28/2014, Ends 12/18/2014)

7547 7:00am - 9:10am F SA/ H334
& lab 9:10am - 3:40pm F SA/ H315

7549 10:00am - 11:30am TWTh SA/ H330
& lab 11:50am - 3:45pm TWTh SA/ H315

(8 Week Class - Starts 9/2/2014, Ends 10/24/2014)

BAKING, PROFESSIONAL 121 6.00 Units **BEGINNING YEAST BREADS AND QUICKBREADS**

Prerequisite: Professional Baking 112 and Culinary Arts 112.

Class introduces student to volume lean & rich yeast bread and quick bread production with an emphasis on flour usage, chemical and natural leavening agents, as well as fat and sugar ingredient identification.

Speed, accuracy, and increased productivity are stressed along with preparation of a variety of bread products up to industry standards.

7542 6:45am - 10:25am MTWTh SA/ H315
& 10:25am - 12:25pm MTWTh SA/ H301

(8 Week Class - Starts 9/2/2014, Ends 10/24/2014)

BAKING, PROFESSIONAL 122 6.00 Units **ARTESIAN BREADS, SPECIALTY BREADS**

Recognize formulas and demonstrate the ability to alter formulas in yeast, rolled-in, and quick bread formulas central to this class. View bread baking from an artisan'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.

7543 6:45am - 10:25am MTWTh SA/ H315
& 10:25am - 12:35pm MTWTh SA/ H301

(8 Week Class - Starts 10/27/2014, Ends 12/18/2014)

BAKING, PROFESSIONAL 131 6.00 Units **PLATED RESTAURANT STYLE DESSERTS**

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

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

7544 7:30am - 9:30am MTWTh SA/ H334
& lab 9:30am - 1:20pm MTWTh SA/ H315

(8 Week Class - Starts 9/2/2014, Ends 10/24/2014)

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 dessert combinations.

7545 7:30am - 9:40am MTWTh SA/ H334
& lab 9:40am - 1:50pm MTWTh SA/ H315

(8 Week Class - Starts 10/27/2014, Ends 12/18/2014)

FALL 2014 Class Schedule

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 lab 6:30am - 10:25am MTWTh SA/ H315
& 10:25am - 12:35pm MTWTh SA/ H330
(8 Week Class - Starts 10/27/2014, Ends 12/18/2014)

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.

5702 5:30pm - 7:10pm MTWTh OH/ F211
(8 Week Class - Starts 10/27/2014, Ends 12/21/2014)

5703 6:40pm - 8:20pm MTWTh MA 109N
(8 Week Class - Starts 10/27/2014, Ends 12/21/2014)

5704 6:40pm - 8:20pm MTWTh OH/ F211
(8 Week Class - Starts 9/1/2014, Ends 10/24/2014)

5705 6:40pm - 8:20pm MTWTh MA 109N
(8 Week Class - Starts 9/1/2014, Ends 10/24/2014)

8704 8:00am - 9:40am MTWTh CY/ D200
(8 Week Class - Starts 9/1/2014, Ends 10/24/2014)

8705 11:00am - 12:40pm MTWTh OH/ F211
(8 Week Class - Starts 9/1/2014, Ends 10/24/2014)

8706 10:00am - 11:40am MTWTh OH/ F231
(8 Week Class - Starts 9/1/2014, Ends 10/24/2014)

8707 1:15pm - 2:55pm MTWTh OH/ F235
(8 Week Class - Starts 9/1/2014, Ends 10/24/2014)

8709 8:00am - 9:40am MTWTh CY/ D204
(8 Week Class - Starts 10/27/2014, Ends 12/21/2014)

8710 11:00am - 12:40pm MTWTh OH/ F211
(8 Week Class - Starts 10/27/2014, Ends 12/21/2014)

8712 1:15pm - 3:55pm MTWTh OH/ F235
(8 Week Class - Starts 10/27/2014, Ends 12/21/2014)

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.

5700 6:00pm - 7:00pm MTWTh OH/ F211
& 7:00pm - 8:15pm MTWTh OH/ F211
(8 Week Class - Starts 9/1/2014, Ends 10/24/2014)

5701 6:00pm - 7:00pm MTWTh H/ F211
& 7:00pm - 8:15pm MTWTh H/ F211
(8 Week Class - Starts 10/27/2014, Ends 12/21/2014)

5712 5:30pm - 7:40pm MTWTh MA 109N
(8 Week Class - Starts 10/27/2014, Ends 12/20/2014)

5713 5:30pm - 7:40pm MTWTh MA 109C
(8 Week Class - Starts 10/27/2014, Ends 12/20/2014)

8720 8:00am - 10:15am MTWTh OH/ F211
(8 Week Class - Starts 9/1/2014, Ends 10/24/2014)

8721 8:00am - 10:15am MTWTh OH/ F211
(8 Week Class - Starts 10/27/2014, Ends 12/21/2014)

8722 10:30am - 12:45pm MTWTh OH/ F211
(8 Week Class - Starts 9/1/2014, Ends 10/24/2014)

8723 1:00 hrs/wk TBA MA 109D

8724 1:00 hrs/wk TBA MA 109A

8725 1:00 hrs/wk TBA MA 109D

8728 1:00 hrs/wk TBA MA 109A

8732 8:00am - 10:15am MTWTh OH/ F211
(8 Week Class - Starts 9/1/2014, Ends 10/24/2014)

8735 10:30am - 12:45pm MTWTh OH/ F211
(8 Week Class - Starts 9/1/2014, Ends 10/24/2014)

8736 8:50 hrs/wk TBA MA 109D
(8 Week Class - Starts 9/1/2014, Ends 10/24/2014)

8740 8:50 hrs/wk TBA MA 109D
(8 Week Class - Starts 9/1/2014, Ends 10/24/2014)

8741 8:50 hrs/wk TBA MA 109D
(8 Week Class - Starts 9/1/2014, Ends 10/24/2014)

8742 8:00am - 10:15am MTWTh OH/ F211
(8 Week Class - Starts 10/27/2014, Ends 12/21/2014)

8743 10:30am - 12:45pm MTWTh OH/ F211
(8 Week Class - Starts 10/27/2014, Ends 12/21/2014)

8747 10:30am - 12:45pm MTWTh OH/ F211
(8 Week Class - Starts 10/27/2014, Ends 12/21/2014)

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, and decimals. Upon completion, students should be able to perform basic computations and solve relevant mathematical problems.

5706 6:40pm - 7:20pm MTWTh MA 109N
& lab 7:20pm - 8:20pm MTWTh MA 109N
(8 Week Class - Starts 9/1/2014, Ends 10/24/2014)

5707 7:30pm - 8:10pm MTWTh OH/ F211
& lab 8:10pm - 9:10pm MTWTh OH/ F211
(8 Week Class - Starts 9/1/2014, Ends 10/24/2014)

5708 6:40pm - 7:20pm MTWTh OH/ F211
& lab 7:20pm - 8:20pm MTWTh OH/ F211
(8 Week Class - Starts 10/27/2014, Ends 12/21/2014)

5709 7:30am - 8:10am MTWTh MA 109N
& lab 8:10am - 9:10am MTWTh MA 109N
(8 Week Class - Starts 10/27/2014, Ends 12/21/2014)

8713 8:00am - 8:40am MTWTh CY/ D200
& lab 8:40am - 9:40am MTWTh CY/ D200
(8 Week Class - Starts 9/1/2014, Ends 10/24/2014)

8714 11:00am - 11:40am MTWTh OH/ F209
& lab 11:40am - 12:40pm MTWTh OH/ F209
(8 Week Class - Starts 9/1/2014, Ends 10/24/2014)

8715 1:00pm - 1:40pm MTWTh OH/ F231
& lab 1:40pm - 2:40pm MTWTh OH/ F231
(8 Week Class - Starts 9/1/2014, Ends 10/24/2014)

8716 3:15pm - 3:55pm MTWTh OH/ F235
& lab 3:55pm - 4:55pm MTWTh OH/ F235
(8 Week Class - Starts 9/1/2014, Ends 10/24/2014)

8718 1:00pm - 1:40pm MTWTh OH/ F231
& lab 1:40pm - 2:40pm MTWTh OH/ F231
(8 Week Class - Starts 10/27/2014, Ends 12/21/2014)

8719 3:15pm - 3:55pm MTWTh OH/ F235
& lab 3:55pm - 4:55pm MTWTh OH/ F235
(8 Week Class - Starts 10/27/2014, Ends 12/21/2014)

8731 8:00am - 8:40am MTWTh CY/ D200
& lab 8:40am - 9:40am MTWTh CY/ D200
(8 Week Class - Starts 10/27/2014, Ends 12/21/2014)

8739 lab 8:50 hrs/wk TBA MA 109D
(8 Week Class - Starts 9/1/2014, Ends 10/24/2014)

FALL 2014 Class Schedule

BASIC SKILLS 060CE 0.00 Unit

BASIC COMPUTER LITERACY (NDA) (RPT 9)

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

8701 1:30pm - 2:10pm MW MA 109D
& lab 2:10pm - 3:10pm MW MA 109D

(8 Week Class - Starts 10/27/2014, Ends 12/21/2014)

8702 1:30pm - 2:10pm TTh MA 109D
& lab 2:10pm - 3:10pm TTh MA 109D

(8 Week Class - Starts 10/27/2014, Ends 12/21/2014)

8726 1:30pm - 2:10pm MW MA 109D
& lab 2:10pm - 3:40pm MW MA 109D

(8 Week Class - Starts 9/1/2014, Ends 10/24/2014)

8727 1:30pm - 2:10pm TTh MA 109D
& lab 2:10pm - 3:40pm TTh MA 109D

(8 Week Class - Starts 9/1/2014, Ends 10/24/2014)

8729 1:30pm - 2:10pm MW MA 109D
& lab 2:10pm - 3:40pm MW MA 109D

(8 Week Class - Starts 10/27/2014, Ends 12/21/2014)

8730 1:30pm - 2:10pm TTh MA 109D
& lab 2:10pm - 3:40pm TTh MA 109D

(8 Week Class - Starts 10/27/2014, Ends 12/21/2014)

8744 1:30pm - 2:10pm MW MA 109D
& lab 2:10pm - 3:40pm MW MA 109D

(8 Week Class - Starts 9/1/2014, Ends 10/24/2014)

8745 1:30pm - 2:10pm TTh MA 109D
& lab 2:10pm - 3:10pm TTh MA 109D

(8 Week Class - Starts 9/1/2014, Ends 10/24/2014)

BASIC SKILLS 065CE 0.00 Unit

FINANCIAL LITERACY - CREDIT BASICS (NDA) (RPT 9)

Course focuses on the basic skills involved in establishing and maintaining good credit, improving their credit scores, managing their debt responsibly, and preventing becoming victims of predatory lending.

8703 3:15pm - 4:30pm W OH/ F214

(8 Week Class - Starts 9/1/2014, Ends 10/24/2014)

8748 3:15pm - 4:30pm W OH/ F214

(8 Week Class - Starts 10/27/2014, Ends 12/21/2014)

BASIC SKILLS 066CE 0.00 Unit

FINANCIAL LITERACY - PERSONAL MONEY MANAGEMENT (NDA) (RPT 9)

This course covers basic skills involved in managing their personal finances and using basic savings and checking products and services offered by regulated financial institutions.

8733 1:45pm - 3:00pm T OH/ F214

(8 Week Class - Starts 9/1/2014, Ends 10/24/2014)

8734 1:30pm - 2:45pm W OH/ F214

(8 Week Class - Starts 10/27/2014, Ends 12/21/2014)

8749 1:45pm - 3:00pm W OH/ F214

(8 Week Class - Starts 9/1/2014, Ends 10/24/2014)

8750 1:45pm - 3:00pm W OH/ F214

(8 Week Class - Starts 10/27/2014, Ends 12/21/2014)

BASIC SKILLS 073CE 0.00 Unit

INDUSTRY OVERVIEW AND CAREER OPPORTUNITIES (NDA)

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

8751 1:45pm - 4:20pm M CH/ K305

(7 Week Class - Starts 9/1/2014, Ends 10/24/2014)

8752 1:45pm - 4:20pm M CH/ K305

(8 Week Class - Starts 10/27/2014, Ends 12/21/2014)

BASIC SKILLS 077CE 0.00 Unit

FUNDAMENTAL FOR WORKPLACE SUCCESS - TEAMWORK (NDA)

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

8737 4:00pm - 6:15pm F OH/ F228

(13 Week Class - Starts 10/27/2014, Ends 2/15/2015)

8753 4:00pm - 6:15pm TTh OH/ F228

(8 Week Class - Starts 9/1/2014, Ends 10/24/2014)

8754 4:00pm - 6:15pm TTh OH/ F228

(8 Week Class - Starts 10/27/2014, Ends 12/21/2014)

BASIC SKILLS 078CE 0.00 Unit

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

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

8738 4:00pm - 6:15pm TTh OH/ F228

(8 Week Class - Starts 9/1/2014, Ends 10/24/2014)

BIOLOGY

Chair: Miguel Moreno,

Cedar Hall - CH/K-405, (213) 763-7322

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

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

1610 8:00am - 11:10am M CH/ K422

& lab 8:00am - 11:10am W CH/ K422

1611 12:00pm - 3:10pm T CH/ K408

& lab 12:00pm - 3:10pm Th CH/ K408

1612 8:00am - 11:10am T TBA 1

& lab 8:00am - 11:10am Th TBA 1

1613 8:00am - 11:10am SAT CH/ K468

& lab 12:00pm - 3:10pm SAT CH/ K468

1614 6:30pm - 9:40pm M CH/ K422

& lab 6:30pm - 9:40pm W CH/ K422

1615 3:10pm - 6:20pm T CH/ K420

& lab 3:10pm - 6:20pm Th CH/ K420

1616 8:00am - 11:10am SAT CH/ K406

& lab 12:00pm - 3:10pm SAT CH/ K424

1617 7:30am - 10:40am M CH/ K468

& lab 7:30am - 10:40am W CH/ K468

4050 6:00pm - 9:10pm M CH/ K468

& lab 6:00pm - 9:10pm W CH/ K468

4051 6:00pm - 9:10pm T CH/ K408

& lab 6:00pm - 9:10pm Th CH/ K408

4052 6:00pm - 9:10pm M CH/ K420

& lab 6:00pm - 9:10pm W CH/ K420

BIOLOGY 005 4.00 Units

INTRODUCTION TO HUMAN BIOLOGY (UC:CSU)

The course includes basic biological principles as they apply to humans.

The course will provide a foundation for advanced courses in Human

Anatomy, Physiology, and Microbiology. Topics

include chemical principles, the cell, heredity, human anatomy and

physiology, microbiology, pathology, ecology, and bioethics.

1604 8:00am - 11:10am SAT TBA 1

& lab 12:00pm - 3:10pm SAT TBA 1

FALL 2014 Class Schedule

1640	10:10am - 1:20pm	T	CH/ K422
& lab	10:10am - 1:20pm	Th	CH/ K422
1641	8:00am - 11:10am	F	CH/ K408
& lab	12:00pm - 3:10pm	F	CH/ K408

BIOLOGY 006 **5.00 Units**

GENERAL BIOLOGY I (UC:CSU)

Prerequisite: Chemistry 51 or higher

This is the first of a sequence of two General Biology courses designed for life science and pre-med majors. It deals with basic cellular processes within and between cells, metabolism, genetics and recombinant DNA technology.

1621	9:00am - 10:30am	MW	AH/T E210
& lab	10:35am - 12:10pm	MW	CH/ K468
& lab	9:00am - 12:10pm	F	CH/ K468

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.

8622	8:00am - 11:10am	SAT	SQ/ B105
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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.

8623 lab	11:30am - 3:00pm	SAT	SQ/ B105
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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.

4613	6:00pm - 9:10pm	Th	SQ/ B351
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BUILDING CONSTRUCTION TECHNIQUES 014 **4.00 Units**
CARPENTRY AND CONSTRUCTION FOR SOLAR INSTALLATION

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.

4614	6:00pm - 9:10pm	T	SQ/ B136
& lab	6:00pm - 9:10pm	Th	SQ/ B136

BUILDING CONSTRUCTION TECHNIQUES 101 **3.00 Units**
CONTRACT'S LICENSE LAW (CSU)

Contractor's License Law is designed to prepare personnel in the construction industry on the California Law requirements for attaining a California State Contractor's License. Topics covered are License Law, Mechanic's Lien Law, Employment Regulations, Worker's Compensation, Safety in Employment and Business Management.

4840	6:00pm - 9:10pm	F	SQ/ B351
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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 hr) safety-training certificate.

4615	6:00pm - 9:10pm	W	OH/ F209
8331	2:30pm - 4:40pm	Th	OH/ F208

BUSINESS

Chair: Paulette Bailey,
Cedar Hall - CH/K-225, (213) 763-7269

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.

0130	8:35am - 10:00am	TTh	CH/ K321
0131	12:00pm - 1:25pm	MW	CH/ K262
3004	6:00pm - 9:10pm	M	CH/ K208

BUSINESS 005 **3.00 Units**
BUSINESS LAW I (UC:CSU)

Introductory course in civil law emphasizing laws relating to contracts, agency, personal property, business organizations, partnerships, corporations, security transactions, and torts. Students also explore logical reasoning and the application of rules of law to everyday business affairs.

0132	1:30pm - 2:55pm	MW	CH/ K324
0133	9:45am - 11:10am	TTh	CH/ K262
3005	6:00pm - 9:10pm	W	CH/ K262

BUSINESS 006 **3.00 Units**
BUSINESS LAW II (UC:CSU)

Introductory course in civil law emphasizing commercial paper, secured transactions, bankruptcy, real and personal property, and trusts and estates.

3012	6:00pm - 9:10pm	W	CH/ K210
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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	10:15am - 11:00am	MW	CH/ K210
& lab	11:45am - 12:45pm	MW	CH/ K210
0138	1:00pm - 1:45pm	MW	CH/ K208
&	2:00pm - 3:15pm	MW	CH/ K208

FALL 2014 Class Schedule

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.

0135	8:35am - 10:00am	MW	CH/ K321
0136	8:00am - 11:10am	F	CH/ K262
3006	6:00pm - 9:10pm	T	CH/ K262

BUSINESS 040 **3.00 Units** **BUSINESS PROJECT MANAGEMENT (CSU)**

This course will identify all phases of project management. Students will learn the tools for completing projects on time and within budget. Specific topics will include project life cycles, setting objectives, identifying activities and resources, work breakdown structures, work-flow, network analysis, contingency planning, scheduling, budgeting, work in progress and reporting. Special emphasis will be placed on MS project.

0137	11:15am - 12:15pm	TTh	CH/ K210
& lab	12:20pm - 1:25pm	TTh	CH/ K210

BUSINESS 941 **4.00 Units** **COOPERATIVE EDUCATION - BUSINESS (CSU)**

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

9032	4:25 hrs/wk	TBA	CY/ D232
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CARPENTRY

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

CARPENTRY 105 **3.00 Units** **CALCULATIONS AND MEASUREMENT FOR WOODWORKING STUDENTS I**

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

8103	10:40am - 12:10pm	TTh	SQ/ B136
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CARPENTRY 111A **3.00 Units** **CONSTRUCTION I (CSU)**

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

4700	6:00pm - 9:10pm	M	SQ/ B102
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(Offered for solar students)

CARPENTRY 111B **2.00 Units** **CONSTRUCTION I**

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

4701 lab	6:00pm - 9:10pm	MW	SQ/ B104
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(Lab for solar students)

CARPENTRY 114 **4.00 Units** **HAND AND POWER TOOL APPLICATION**

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

8104	7:00am - 7:20am	MWF	SQ/ B136
& lab	7:20am - 10:30am	MWF	SQ/ B104

CARPENTRY 115 **3.00 Units** **BASIC BLUEPRINT READING AND CORE CONSTRUCTION SKILLS**

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

8105	7:00am - 7:20am	TTh	SQ/ B136
Team lab	7:20am - 10:30am	TTh	SQ/ B104

CARPENTRY 117 **2.00 Units** **CONSTRUCTION MATERIALS**

Corequisite: Carpentry 114;

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

8002	1:45pm - 2:00pm	MTWTh	SQ/ B105
& lab	2:00pm - 5:00pm	MTWTh	SQ/ B105

(8 Week Class - Starts 10/27/2014, Ends 12/20/2014)

8106	10:40am - 11:10am	MWF	SQ/ B136
& lab	11:10am - 12:10pm	MWF	SQ/ B104

CARPENTRY 123 **6.00 Units** **BASIC HOUSE CONSTRUCTION**

Prerequisite: Carpentry 114

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

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

CARPENTRY 124 **3.00 Units** **BLUEPRINT READING AND ESTIMATING 1**

Prerequisite: Carpentry 115

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

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

CARPENTRY 129 **2.00 Units** **BASIC RESIDENTIAL ESTIMATING**

This course introduces the process of construction estimation. Students will learn the estimation process of individual systems as well as the whole structure. Students complete building data sheets and materials price sheet. They will gain experience through a complete materials estimate of a structure.

8116 lab	10:10am - 12:20pm	MWF	SQ/ B104
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CARPENTRY 130 **3.00 Units** **CALCULATIONS AND MEASUREMENT FOR WOODWORKING STUDENTS II**

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

FALL 2014 Class Schedule

requirements and material quantities, as well as perform length and size calculations.

8110 10:50am - 12:20pm TTh SQ/ B102

CARPENTRY 132 3.00 Units

APPLIED BLUEPRINT READING

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

8118 8:30am - 9:05am MW SQ/ B105
& lab 9:05am - 12:15pm MW SQ/ B104

CARPENTRY 133 3.00 Units

ADVANCED RESIDENTIAL ESTIMATING

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

8119 7:00am - 8:25am MW SQ/ B105

CARPENTRY 134 4.00 Units

ADVANCED RESIDENTIAL CONSTRUCTION

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

8120 7:00am - 8:25am TTh SQ/ B105
Team lab 8:25am - 10:50am TTh SQ/ B104

CARPENTRY 135 2.00 Units

CONCRETE CONSTRUCTION

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

8121 8:05am - 11:15am F SQ/ B104
Team lab 8:05am - 11:15am F SQ/ B105

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/ B102
& lab 8:15am - 11:45am MWF SQ/ B104

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/ B102
Team lab 8:05am - 12:55pm TTh SQ/ B102

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.

4706 6:00pm - 6:40pm MW CY/ D330
or lab 6:40pm - 9:10pm MW CY/ D330

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 - 3:45pm TTh SQ/ B120

CARPENTRY 241 3.00 Units

BLUEPRINT READING AND ESTIMATING

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

4702 6:00pm - 9:10pm M SQ/ B105

CARPENTRY 251 3.00 Units

BUILDING CODES 1: INTERNATIONAL RESIDENTIAL CODE (IRC) (CSU)

This class will examine the most current version of the International Residential Code. Topics will include administration and planning, and the structure, logic and layout of the code. It will then take up relevant code sections for all phases of residential construction. Namely, foundation, floor, wall, roof/ceiling, electrical, plumbing and mechanical, lighting distribution and fixtures, appliance installation and swimming pools. Study materials will be aligned with the most current ICC publications.

4619 6:00pm - 9:10pm T SQ/ B105

CHEMICAL TECHNOLOGY

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

CHEMICAL TECHNOLOGY 111 5.00 Units

APPLIED CHEMISTRY I (CSU)

This course is dedicated to the study of principles and concepts of chemistry and laboratory techniques used in chemistry. Introduced in this course are concepts involving the structure of matter, the mole concept, properties of solutions, chemical reactions, test for purity, introduction to physical methods of analysis involving the use of separation and instrumental methods.

1650 10:10am - 11:35am M MH 309
& lab 8:00am - 11:10am F CH/ K464
& lab 10:05am - 11:35am T AH/T E107
& 7:00am - 10:05am T CH/ K406
1652 10:10am - 11:35am M MH 309
& lab 7:00am - 10:05am T CH/ K406
& lab 9:00am - 11:10am F CH/ K464
& lab 11:10am - 12:10pm F CH/ K464
& 10:05am - 11:35am T AH/T E107
4081 5:30pm - 8:45:00PM M CH/ K424
& lab 9:10pm - 10:15:00PM M CH/ K424
& lab 5:00pm - 10:15:00PM T CH/ K424

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CHEMICAL TECHNOLOGY 113 APPLIED CHEMISTRY MATHEMATICS I 2.00 Units

This course is about application of basic mathematical operations to problem-solving strategy in Chemical Technology.

1651	7:00am - 8:10am	W	CH/ K464
&	10:20am - 11:20am	W	CH/ K464

CHEMICAL TECHNOLOGY 132 QUANTITATIVE AND INSTRUMENTAL ANALYSIS I (CSU) 5.00 Units

This course is dedicated to the study of principles and concepts of Quantitative and Instrumental methods of analysis including techniques using gravimetric and titrimetric analysis. Instrumental analysis such as, Gas Chromatography, Infrared Chromatography, Atomic Absorption and others are offered.

1656	7:00am - 10:10am	W	CH/ K466
& lab	10:10am - 11:45am	W	CH/ K466
& lab	7:00am - 11:45am	Th	CH/ K466

CHEMICAL TECHNOLOGY 133 ORGANIC CHEMISTRY I (CSU) 4.00 Units

This course includes systematic study of hydrocarbons including nomenclature, physical and chemical properties, occurrences, synthesis, and reactions of alkanes, alkenes, and alkynes. Laboratory studies include distillations, liquid-liquid extractions, and chromatographic techniques and IR spectroscopy.

1657	6:45am - 8:35am	M	CH/ K466
& lab	8:35am - 11:40am	M	CH/ K466
& lab	7:00am - 10:10am	T	CH/ K466

CHEMICAL TECHNOLOGY 168 CHEMICAL QUALITY CONTROL I 2.00 Units

This course provides Introduction to quantitative and qualitative analysis of common anions and cations in aqueous solution.

1662 lab	10:20am - 11:45am	T	CH/ K464
& lab	7:00am - 11:35am	F	CH/ K466

CHEMISTRY

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

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

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	8:45am - 11:55am	M	CH/ K258
&	12:00pm - 1:05pm	M	CH/ K258
& lab	8:35am - 11:45am	W	CH/ K464

Enrollment Restriction for Bio-Tech Cohort.

1671	8:00am - 12:20pm	T	AH/T E120
&	8:00am - 9:05am	Th	AH/T E120
& lab	9:05am - 11:20am	Th	CH/ K464
1672	8:00am - 11:20am	SAT	CH/ K464
& lab	12:00pm - 4:20pm	SAT	CH/ K322
1673	10:10am - 2:25pm	F	CH/ K322
& lab	3:00pm - 6:10pm	F	CH/ K464
4074	4:25pm - 6:30pm	TTh	CH/ K262
& lab	6:40pm - 9:50pm	T	CH/ K464
4075	4:15pm - 6:20pm	MW	CH/ K222
& lab	6:30pm - 9:40pm	M	CH/ K464

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

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

1674	11:00am - 2:20pm	SAT	CH/ K406
& lab	2:30pm - 5:40pm	SAT	CH/ K464

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

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 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 - 11:45am	TTh	CH/ K406
& lab	11:50am - 3:00pm	TTh	CH/ K406
1681	9:10am - 10:50am	MW	AH/T E120
& lab	11:50am - 3:00pm	MW	CH/ K464
1682	10:10am - 11:45am	TTh	CH/ K321
& lab	11:50am - 3:00pm	TTh	CH/ K464
1683	10:10am - 11:45am	MW	AH/T E415
& lab	11:50am - 3:00pm	MW	CH/ K466
4076	4:30pm - 6:05pm	TTh	MH 309
& lab	6:10pm - 9:20pm	TTh	CH/ K466

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

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

1684	1:10pm - 2:45pm	TTh	CH/ K324
& lab	3:00pm - 6:00pm	TTh	CH/ K466
1685	1:10pm - 2:45pm	MW	CH/ K406
& lab	3:00pm - 6:10pm	MW	CH/ K406
4077	4:30pm - 6:05pm	MW	AH/T E415
& lab	6:10pm - 9:20pm	MW	CH/ K466

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

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.

1690	1:10pm - 2:50pm	TTh	AH/T E120
& lab	3:00pm - 6:10pm	TTh	CH/ K464

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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.

1691	1:10pm - 2:45pm	MW	CH/ K262
& lab	3:00pm - 6:10pm	MW	CH/ K464

CHILD DEVELOPMENT

Chair: Alicia Rodriguez-Estrada,
Aspen Hall - AH/TE-516, (213) 763-3938

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

Advisory: English 28.
This course examines the major physical, psychosocial, and cognitive/language developmental milestones for children, both typical and atypical, from conception through adolescence. There will be an emphasis on interactions between maturational processes and environmental factors. While studying developmental theory and investigative research methodologies, students will observe children, evaluate individual differences and analyze characteristics of development at various stages.

1200	8:35am - 10:00am	MW	CH/ K262
1201	10:10am - 11:35am	MW	AH/T E401
1202	10:10am - 11:35am	TTh	CH/ K262
1203	11:45am - 1:10pm	TTh	CH/ K262
1204	11:45am - 2:55pm	T	AH/T E401
3700	6:00pm - 9:10pm	W	AH/T E312
3701	6:00pm - 9:10pm	Th	AH/T E213
7931	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, or see the "Online Class" section of this schedule for more information.

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.

1205	8:35am - 10:00am	MW	AH/T E401
1206	8:35am - 10:00am	TTh	CH/ K262
3702	6:00pm - 9:10pm	T	AH/T E401

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

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

1214	11:45am - 2:55pm	W	CH/ K262
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1215	1:30pm - 4:40pm	T	AH/T E401
3704	6:00pm - 9:10pm	M	AH/T E401

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 staff 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.

1216	10:10am - 11:35am	TTh	CH/ K222
1917	10:10am - 11:35am	MW	OH/ F223
3721	:00pm - 9:10pm	W	AH/T E312

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

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

1218	10:10am - 11:35am	MW	CH/ K262
1220	8:35am - 10:00am	TTh	AH/T E401
3725	6:00pm - 9:10pm	M	AH/T E301

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	T	AH/T E401
& lab	6:45 hrs/wk	TBA	AH/T E401
3727	6:00pm - 8:05pm	W	CH/ K258
& lab	6:45 hrs/wk	TBACH/ K258	

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.

3728	6:00pm - 8:05pm	W	AH/T E401
& lab	6:45 hrs/wk	TBA	AH/T E401

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CHILD DEVELOPMENT 030 INFANT AND TODDLER STUDIES I (CSU) 3.00 Units

Prerequisite: Child Development 1.

This course provides an in-depth study of cognitive/language, social/emotional and perceptual/motor developmental domains and milestones of infants from birth to 36 months. As well as, an overview of major theories including attachment, brain development, the value of play, early intervention and relationship-based care in the context of family systems: culture, home language, and traditions. Students will be introduced to the laws and regulations of safe healthy environments and the rights of all infants and toddlers including children at-risk for disabilities. Class instruction includes objective observations of infants and toddlers in diverse settings.

1222	8:35am - 10:00am	MW	CH/ K222
3729	6:00pm - 9:10pm	Th	AH/T E401

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

Prerequisite: Child Development 1.

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

1224	10:10am - 11:35am	TTh	AH/T E401
3740	6:00pm - 9:10pm	M	AH/T E315

CHILD DEVELOPMENT 038 ADMINISTRATION & SUPERVISION OF EARLY CHILDHOOD PROGRAMS I (CSU) 3.00 Units

Prerequisites: Child Development 1; Child Development 2; Child Development 10; Child Development 11.

This course examines administrative principles and practices for Early Childhood Programs. Topics covered include: licensing regulations, leadership skills, budget preparation and analysis, personnel management, parent involvement programs and community resources. Professionalism and quality standard are emphasized. Partially fulfills licensing requirement for the director.

1226	10:10am - 11:35am	MW	CH/ K222
3742	6:00pm - 9:10pm	Th	AH/T E315

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

Corequisite: Child Development 11.

1228	11:45am - 1:10pm	MW	AH/T E401
1229	11:45am - 1:10pm	TTh	CH/ K222
3743	6:00pm - 9:10pm	T	AH/T E315

CHILD DEVELOPMENT 045 PROGRAMS FOR CHILDREN WITH SPECIAL NEEDS (CSU) 3.00 Units

Prerequisite: Child Development 1.

This course is an overview of programs providing special education services for children with special needs focusing on preschool through school age. It will include a study of various programs, legislation, characteristics of exceptionalities and educational implications. Observation in schools will be required.

1233	8:35am - 10:00am	TTh	CH/ K222
3745	6:00pm - 9:10pm	T	AH/T E221

CHILD DEVELOPMENT 047 SCHOOL AGE PROGRAMS II (CSU) 3.00 Units

Prerequisite: Child Development 46.

Introduction to before and after school age programs. Topics covered are guidance of child behavior, the child in context of the family, community and administration of programs. Hiring and supervision of staff, working with parents and marketing and advertising the school age program will be also covered.

1235	9:00am - 12:10pm	SAT	AH/T E410
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CHILD DEVELOPMENT 057 CHILDREN ETHNIC IDENTITY DEVELOPMENT AND AWARENESS (CSU) 3.00 Units

Prerequisite: Child Development 1; Advisory: English 28.

This course explores children's ethnic identity developmental process and their awareness of identity issues. Students will examine ethnic identity developmental stages, the impact of culture, ethnic traditions, values and beliefs on children, and the challenges of identity formation process that children encounter within multiple social and cultural contexts. Culturally sensitive assessment methods and intervention programs to support families from diverse backgrounds will also be discussed.

1237	11:45am - 1:10pm	MW	CH/ K222
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CHILD DEVELOPMENT 065 ADULT SUPERVISION/EARLY CHILDHOOD MENTORING (CSU) 2.00 Units

Corequisite: Child Development 23 or Child Development 39.

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

3747	6:00pm - 9:10pm	M	AH/T E312
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(10 Week Class - Starts 9/15/2014, Ends 11/17/2014)

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

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

9048	4:25 hrs/wk	TBA	CY/ D232
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COMMUNICATION STUDIES

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

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

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

1435	7:00am - 8:25am	TTh	AH/T E206
1436	10:10am - 11:35am	MW	AH/T E206
1437	8:35am - 10:00am	MW	AH/T E201
1438	12:00pm - 1:25pm	MW	AH/T E206
1439	10:10am - 11:35am	TTh	AH/T E206
1440	8:35am - 10:00am	TTh	AH/T E201
1441	10:10am - 11:35am	TTh	AH/T E201
1442	8:35am - 10:00am	MW	AH/T E206
1443	9:00am - 12:10pm	SAT	AH/T E201
1444	8:35am - 10:00am	TTh	AH/T E206
1445	11:45am - 1:10pm	TTh	AH/T E206
1446	10:10am - 11:35am	MW	AH/T E201
1472	11:45am - 1:10pm	MW	AH/T E201

FALL 2014 Class Schedule

3860	6:00pm - 9:10pm	M	AH/T E201
3861	6:00pm - 9:10pm	W	AH/T E201
3862	6:00pm - 9:10pm	Th	AH/T E201
3863	6:00pm - 9:10pm	T	AH/T E201
3864	4:45pm - 7:55pm	F	AH/T E201
3865	6:00pm - 8:15pm	TTh	AH/T E206

(12 Week Class - Starts 9/30/2014, Ends 12/21/2014)

COMMUNITY PLANNING/ECONOMIC DEVELOPMENT

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

COMMUNITY PLANNING/ECONOMIC DEVELOPMENT 001 3.00 Units INTRODUCTION TO COMMUNITY ECONOMIC DEVELOPMENT (CSU)

This course is an introduction to the theory, history, and practice of community development. The course covers: neighborhood development and community building strategies; land use and real estate development; and business and labor force development strategies used to revitalize urban neighborhoods. Students will produce a neighborhood plan using e-planning tools including: asset maps, a housing plan and a workforce development plan. The course is also offered as three modules that run concurrently with the full course.

3270 6:00pm - 9:10pm M TBA 1

COMMUNITY PLANNING/ECONOMIC DEVELOPMENT 006 3.00 Units MANAGING NON-PROFIT AND PUBLIC ORGANIZATIONS (CSU)

This course deals with the organizational opportunities and challenges faced by directors and managers of non-profit and public service organizations. Students will gain an understanding of the roles and accountabilities of non-profit directors and managers and learn to work effectively within such organizations by recognizing and applying knowledge about different governance structures and the functional domains common to most public benefit organizations including strategic and operational planning, fund development and community engagement.

3271 6:00pm - 9:10pm W TBA 1

COMMUNITY PLANNING/ECONOMIC DEVELOPMENT 035 3.00 Units HEALTH LEADERSHIP AND COMMUNITY DEVELOPMENT

This course provides students with a basic understanding of the health disparities and conditions affecting low-income, inner-city communities and the leadership skills required to improve them.

3272 6:00pm - 9:10pm Th TBA 1

COMPUTER APPLICATIONS OFFICE TECHNOLOGIES

Chair: Paulette Bailey,
Cedar Hall - CH/K-225, (213) 763-7269

COMPUTER APPLICATIONS OFFICE TECHNOLOGIES 002 3.00 Units COMPUTER KEYBOARDING AND DOCUMENT APPLICATIONS II (CSU)

Increase computer keyboarding skills and improve business and legal document development in MS Word.

0207	7:30am - 8:05am	MW	CH/ K320
& lab	8:05am - 9:35am	MW	CH/ K320
0218	8:00am - 10:00am	F	CH/ K210
& lab	10:00am - 1:20pm	F	CH/ K210

COMPUTER APPLICATIONS OFFICE TECHNOLOGIES 020 5.00 Units MEDICAL OFFICE PROCEDURES (CSU)

Student will become proficient in keying medical correspondence, case histories, insurance forms, and reports. Telephone techniques, medical record keeping, filing and internet activities are taught. Students will learn to perform the duties of the administrative medical assistant under realistic conditions requiring them to organize work and set priorities.

0208 8:00am - 1:20pm SAT 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.

0209	8:00am - 9:00am	MW	CH/ K210
& lab	9:00am - 10:05am	MW	CH/ K210

COMPUTER APPLICATIONS OFFICE TECHNOLOGIES 033 2.00 Units RECORDS MANAGEMENT AND FILING

This course will provide an overview of the field of records management; alphabetic, subject, numeric, and geographic storage and retrieval systems; records management technology; and records control. Class includes records management theory using Microsoft Access.

0211	10:10am - 10:45am	MW	CH/ K210
& lab	10:45am - 11:40am	MW	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.

0210 8:00am - 9:05am TTh CH/ K320

COMPUTER APPLICATIONS OFFICE TECHNOLOGIES 044 3.00 Units MEDICAL TERMINOLOGY (CSU)

Comprehensive medical vocabulary and usage.

0212 8:00am - 11:10am F 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.

0213	8:00am - 9:05am	TTh	CH/ K208
& lab	9:15am - 10:30am	TTh	CH/ K208
0214	12:20pm - 1:20pm	TTh	CH/ K208
& lab	1:20pm - 2:50pm	TTh	CH/ K208
3007	6:00pm - 7:05pm	TTh	CH/ K320
& lab	7:15pm - 8:50pm	TTh	CH/ K320

FALL 2014 Class Schedule

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.
0215 10:10am - 11:10am MW CH/ K320
& lab 11:10am - 12:40pm MW 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.
0216 8:00am - 10:05am SAT CH/ K208
& lab 10:05am - 1:20pm SAT CH/ K208

COMPUTER APPLICATIONS OFFICE TECHNOLOGIES 093 **2.00 Units**
LEGAL DOCUMENTATION PRODUCTION
Advisory: CAOT 84.
This course prepares students to produce legal documents within the law firm setting, including briefs, memos, pleadings and all other legal documents. Recommended for paralegal students and required for legal administrative assistants.
0219 10:15am - 10:45am MW CH/ K208
& lab 10:45am - 11:40am MW 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.
0217 1:10pm - 1:45pm W CH/ K320
& lab 1:50pm - 4:00pm W CH/ K320
(12 Week Class - Starts 10/1/2014, Ends 12/17/2014)

COMPUTER INFORMATION SYSTEMS

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

COMPUTER INFORMATION SYSTEMS 011 **3.00 Units**
NETWORK SECURITY FUNDAMENTALS (CSU)
This course provides instruction and hands-on training in the following computer information systems concepts: Basic security principles, methods of establishing security baselines, and the most recent attack and defense techniques and technologies. It will also help prepare for CompTIA's examination and professional security certification.
3300 8:00am - 10:10am SAT CH/ K302
& lab 10:20am - 12:15pm SAT CH/ K302

COMPUTER INFORMATION SYSTEMS 040 **3.00 Units**
BEGINNING LEVEL PROGRAMMING/COMPUTER GAMES
Advisory: Computer Information Systems 701.
This course will provide students with a basic understanding of how a game 'idea' is transformed to a marketable product, while educating them on the roles and duties of a game development team and the practices exercised within the game development industry. This course is an in-depth study of level plans for computer video games.
0480 7:00am - 9:05am MW CH/ K305

COMPUTER INFORMATION SYSTEMS 700 **3.00 Units**
COMPUTER CONCEPTS (CSU)
Advisory: Mathematics 105 and English 21;
This course provides an overview of computer concepts. It emphasizes the physical components of a computer system, an introduction to operating systems with emphasizes 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.
0151 12:00pm - 2:05pm MW CH/ K305
3310 6:00pm - 8:05pm T CH/ K305
& lab 6:00pm - 8:05pm Th 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.
0483 7:00am - 9:05am TTh CH/ K307
0484 12:00pm - 2:05pm MW CH/ K307
3312 6:00pm - 8:05pm M CH/ K307
& lab 6:00pm - 8:05pm W CH/ K307

COMPUTER INFORMATION SYSTEMS 709 **3.00 Units**
VISUAL BASIC PROGRAMMING (UC:CSU)
Advisory: Computer Information Systems 701;
The primary topic of this class is the structure and methods of the Visual Basic programming system. This system is widely used to create computer applications that include interaction with a user, and is called object-oriented programming.
3314 6:00pm - 8:05pm T CH/ K307
& lab 6:00pm - 8:05pm Th CH/ K307

COMPUTER INFORMATION SYSTEMS 733 **3.00 Units**
MICROCOMPUTER DATABASE PROGRAMMING (CSU)
Advisory: 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.
0486 7:00pm - 9:05pm 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.
0487 9:15am - 11:20am TTh CH/ K307

FALL 2014 Class Schedule

COMPUTER INFORMATION SYSTEMS 743 3.00 Units OBJECT-ORIENTED PROGRAMMING IN C++ (UC:CSU)

Prerequisite: Computer Information Systems 739;
This class provides an overview of computer programming in C++. It emphasizes the syntax and grammar of the language, problem solving methods, development of algorithms, the programming structures of sequence, selection, and loops, use of functions, arrays and strings and how different data types work.
0481 12:00pm - 2:05pm TTh CH/ K307

COMPUTER INFORMATION SYSTEMS 757 3.00 Units XHTML PROGRAMMING AND APPLICATIONS (UC:CSU)

The course covers the fundamental operations of the eXtensible HyperText Markup Language (XHTML) system. It consists of projects that provide experience in the methods used to produce and modify documents for the World Wide Web.
0489 9:15am - 11:20am TTh CH/ K305

COMPUTER INFORMATION SYSTEMS 762 3.00 Units WEB SCRIPTING (CSU)

Advisory: Computer Information Systems 701 or Computer Information Systems 757;
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.
0490 9:15am - 10:35am MW CH/ K307

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 3:20 hrs/wk TBA CY/ D236

COSMETOLOGY

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

COSMETOLOGY 035 6.00 Units SKIN THERAPY I (NDA)

Students will be introduced to disinfection and sanitation procedures, basic facial manipulations, proper cleansing, toning and moisturizing applications, masks and pack techniques and operational procedures for using facial machines.

7030	12:30pm - 2:00pm	MT	MH 138
& lab	2:30pm - 6:00pm	MT	MH 253
&	12:30pm - 2:00pm	WTh	MH 138
& lab	2:30pm - 6:00pm	WTh	MH 253
&	12:30pm - 2:00pm	F	MH 138
& lab	2:30pm - 6:00pm	F	MH 253

(8 Week Class - Starts 9/2/2014, Ends 10/23/2014)

COSMETOLOGY 036 6.00 Units SKIN THERAPY II (NDA)

Prerequisite: Cosmetology 35.
Students will be introduced to waxing services, makeup applications, desincrustation, iontophoresis, light therapy and high frequency

treatments. Skin analysis equipment, facial and body machines, airbrushing machines and hair removal techniques will be employed.

7031	12:30pm - 2:00pm	MT	MH 138
& lab	2:30pm - 6:00pm	MT	MH 253
&	12:30pm - 2:00pm	WTh	MH 138
& lab	2:30pm - 6:00pm	WTh	MH 253
&	12:30pm - 2:00pm	F	MH 138
& lab	2:30pm - 6:00pm	F	MH 253

(7 Week Class - Starts 10/27/2014, Ends 12/18/2014)

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 - 6:00pm	MTWTh	MH 126
& lab	6:00pm - 9:30pm	MTWTh	MH 237
& lab	7:00am - 10:00am	SAT	MH 237
& lab	10:30am - 2:00pm	SAT	MH 237

(8 Week Class - Starts 9/2/2014, Ends 10/25/2014)

7000	7:00am - 8:30am	MTW	MH 128
& lab	9:00am - 2:10pm	MTW	MH 237
&	7:00am - 8:30am	Th	MH 128
& lab	9:00am - 11:00am	Th	MH 237
&	11:00am - 2:10pm	Th	MH 237

(8 Week Class - Starts 9/2/2014, Ends 10/23/2014)

7002	7:00am - 8:30am	MTW	MH 233
& lab	9:00am - 2:10pm	MTW	MH 233
& lab	7:00am - 8:30am	Th	MH 233
& lab	9:00am - 11:00am	Th	MH 233
& lab	11:00am - 2:10pm	Th	MH 233

(8 Week Class - Starts 9/2/2014, Ends 10/23/2014)

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 - 6:00pm	MTWTh	MH 126
& lab	6:00pm - 9:30pm	MTWTh	MH 237
& lab	7:00am - 10:00am	SAT	MH 237
& lab	10:30am - 2:00pm	SAT	MH 237

(7 Week Class - Starts 10/27/2014, Ends 12/20/2014)

7001	7:00am - 8:30am	MTW	MH 128
& lab	9:00am - 2:10pm	MTW	MH 237
&	7:00am - 8:30am	Th	MH 128
& lab	9:00am - 11:00am	Th	MH 237
&	11:00am - 2:10pm	Th	MH 237

(7 Week Class - Starts 10/27/2014, Ends 12/18/2014)

7003	7:00am - 8:30am	MTW	MH 233
& lab	9:00am - 2:10pm	MTW	MH 233
& lab	7:00am - 8:30am	Th	MH 233
& lab	9:00am - 11:00am	Th	MH 233
& lab	11:00am - 2:10pm	Th	MH 233

(7 Week Class - Starts 10/27/2014, Ends 12/18/2014)

COSMETOLOGY 121 6.00 Units JUNIOR SALON II

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

4302	4:30pm - 6:00pm	MTWTh	MH 247
& lab	6:00pm - 9:30pm	MTWTh	MH 247

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& lab	7:00am - 10:00am	SAT	MH 247
& lab	10:30am - 2:00pm	SAT	MH 247
Team	4:30pm - 6:00pm	M	MH 247
Team lab	6:00pm - 9:30pm	M	MH 247
(8 Week Class - Starts 9/2/2014, Ends 10/25/2014)			
7004	7:00am - 8:30am	MTW	MH 247
& lab	9:00am - 2:10pm	MTW	MH 247
& lab	7:00am - 8:30am	Th	MH 247
& lab	9:00am - 11:00am	Th	MH 247
& lab	11:00am - 2:10pm	Th	MH 247
(8 Week Class - Starts 9/2/2014, Ends 10/23/2014)			

COSMETOLOGY 122 JUNIOR SALON III **6.00 Units**

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

4303	4:30pm - 6:00pm	MTWTh	MH 247
& lab	6:00pm - 9:30pm	MTWTh	MH 247
& lab	7:00am - 10:00am	SAT	MH 247
& lab	10:30am - 2:00pm	SAT	MH 247
(7 Week Class - Starts 10/27/2014, Ends 12/20/2014)			
7005	7:00am - 8:30am	MTW	MH 247
& lab	9:00am - 2:10pm	MTW	MH 247
& lab	7:00am - 8:30am	Th	MH 247
& lab	9:00am - 11:00am	Th	MH 247
& lab	11:00am - 2:10pm	Th	MH 247
(7 Week Class - Starts 10/27/2014, Ends 12/18/2014)			

COSMETOLOGY 131 TINTING I **6.00 Units**

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

7006	7:00am - 8:30am	MTW	MH 238
& lab	9:00am - 2:10pm	MTW	MH 238
& lab	7:00am - 8:30am	Th	MH 238
& lab	9:00am - 11:00am	Th	MH 238
& lab	11:00am - 2:10pm	Th	MH 238
(8 Week Class - Starts 9/2/2014, Ends 10/23/2014)			

COSMETOLOGY 132 TINTING II **6.00 Units**

Prerequisite: Cosmetology 131;
The course covers all aspects of hair coloring, bleaching, toning, 'special effect' highlighting, foiling, cap frosting and color correction. Additional subjects are: haircutting, thermal and wet hair styling, and the study and applications of artificial nail products. Theories related to the above mentioned subjects will be discussed.

7007	7:00am - 8:30am	MTW	MH 238
& lab	9:00am - 2:10pm	MTW	MH 238
&	7:00am - 8:30am	Th	MH 238
& lab	9:00am - 11:00am	Th	MH 238
& lab	11:00am - 2:10pm	Th	MH 238
(7 Week Class - Starts 10/27/2014, Ends 12/18/2014)			
7007	7:00am - 8:30am	MTW	MH 238
& lab	9:00am - 2:10pm	MTW	MH 238
& lec	7:00am - 8:30am	Th	MH 238
& lab	9:00am - 11:00am	Th	MH 238
& lab	11:00am - 2:10pm	Th	MH 238
(7 Week Class - Starts 10/27/2014, Ends 12/18/2014)			

COSMETOLOGY 141 SENIOR SALON I **6.00 Units**

Prerequisite: Cosmetology 122 & 132.
The course reviews all areas of cosmetology, rules, regulations and State Board requirements for licensing. Students will perform client services, conduct consultations, record services, track client appointments and tickets. Theories that are related to all areas mentioned above will be discussed.

4306	4:30pm - 6:00pm	MTWTh	MH 247
& lab	6:00pm - 9:30pm	MTWTh	MH 247
& lab	7:00am - 10:00am	SAT	MH 247
& lab	10:30am - 2:00pm	SAT	MH 247
(8 Week Class - Starts 9/2/2014, Ends 10/25/2014)			

7008	7:00am - 8:30am	MTW	MH 126
& lab	9:00am - 2:10pm	MTW	MH 123
&	7:00am - 8:30am	Th	MH 126
& lab	9:00am - 11:00am	Th	MH 123
& lab	11:00am - 2:10pm	Th	MH 123
(8 Week Class - Starts 9/2/2014, Ends 10/23/2014)			

COSMETOLOGY 142 SENIOR SALON II **6.00 Units**

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

4307	4:30pm - 6:00pm	MTWTh	MH 247
& lab	6:00pm - 9:30pm	MTWTh	MH 247
& lab	7:00am - 10:00am	SAT	MH 247
& lab	10:30am - 2:00pm	SAT	MH 247
(7 Week Class - Starts 10/27/2014, Ends 12/20/2014)			

7009	7:00am - 8:30am	MTW	MH 126
& lab	9:00am - 2:10pm	MTW	MH 123
&	7:00am - 8:30am	Th	MH 126
& lab	9:00am - 11:00am	Th	MH 123
& lab	11:00am - 2:10pm	Th	MH 123
(7 Week Class - Starts 10/27/2014, Ends 12/18/2014)			

CULINARY ARTS

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

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

Prerequisite: Culinary Arts 112; Corequisite: Culinary Arts 112.
With a combination of lecture and lab practice, the students are introduced to the world of commercial food production. Students are introduced to culinary theories and develop skills in knife handling, ingredient identification, small and large equipment use, weights and measures, recipe development and cooking fundamentals

7500	7:00am - 8:30am	TWTh	SA/ H314
& lab	8:30am - 12:40pm	TWTh	SA/ H102
(8 Week Class - Starts 9/2/2014, Ends 10/24/2014)			

7503	7:00am - 8:40am	TWTh	SA/ H314
& lab	8:40am - 1:10pm	TWTh	SA/ H102

(8 Week Class - Starts 10/28/2014, Ends 12/18/2014)			
7504	2:00pm - 4:05pm	TTh	SA/ H132
& lab	4:05pm - 6:20pm	TTh	E. GARNICA DIAZ SA/ H107
7523	1:30pm - 2:50pm	TWTh	L.F. ROBLES SA/ H119
& lab	2:55pm - 7:55pm	TWTh	L.F. ROBLES SA/ H102
(8 Week Class - Starts 10/28/2014, Ends 12/18/2014)			

7529	7:00am - 9:10am	F	J.K. KANEMAKI SA/ H132
& lab	9:10am - 3:40pm	F	J.K. KANEMAKI SA/ H107

FALL 2014 Class Schedule

CULINARY ARTS 112 2.00 Units

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.

7501 7:10am - 9:25am MW D. SCHERER SA/ H103

(8 Week Class - Starts 10/27/2014, Ends 12/18/2014)

7502 7:10am - 9:20am MW D. WARRINER OH/ F223

(8 Week Class - Starts 9/2/2014, Ends 10/24/2014)

7505 2:00pm - 4:05pm MW MH 308

(8 Week Class - Starts 9/2/2014, Ends 10/24/2014)

7531 2:00pm - 4:05pm MW MH 308

(8 Week Class - Starts 10/27/2014, Ends 12/18/2014)

7551 4:25pm - 6:35pm MW MH 308

(8 Week Class - Starts 9/2/2014, Ends 10/22/2014)

7553 4:25pm - 6:25pm MW MH 308

(8 Week Class - Starts 10/27/2014, Ends 12/18/2014)

CULINARY ARTS 120 4.00 Units

FRONT OF HOUSE/DINING SERVICES

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

7524 9:30am - 10:30am MTWTh SA/ H103

& lab 10:30am - 1:55pm MTWTh SA/ H103

(8 Week Class - Starts 9/2/2014, Ends 10/24/2014)

7525 9:35am - 10:35am MTWTh SA/ H103

& lab 10:35am - 2:00pm MTWTh SA/ H109

(8 Week Class - Starts 10/27/2014, Ends 12/18/2014)

CULINARY ARTS 121 6.00 Units

GARDE MANGER I - BAKING (CSU)

Prerequisite: Cul Art 111 & 112.

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

7506 lab 6:30am - 10:05am MTWTh SA/ H107

& 10:05am - 12:10pm MTWTh SA/ H119

(8 Week Class - Starts 9/2/2014, Ends 10/24/2014)

7509 lab 6:30am - 10:05am MTWTh SA/ H107

& 10:05am - 12:15pm MTWTh SA/ H119

(8 Week Class - Starts 10/27/2014, Ends 12/18/2014)

7518 lab 2:00pm - 5:40pm TTh SA/ H107

& 5:40pm - 7:40pm TTh SA/ H119

CULINARY ARTS 122 6.00 Units

GARDE MANGER II - CHARCUTEIRE (CSU)

Prerequisite: Culinary Arts 111 and Culinary Arts 112;

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

7507 7:25am - 9:15am MTWTh SA/ H119

& lab 9:15am - 1:05pm MTWTh SA/ H107

(8 Week Class - Starts 10/27/2014, Ends 12/18/2014)

7508 7:30am - 9:30am MTWTh SA/ H119

& lab 9:30am - 1:05pm MTWTh SA/ H107

(8 Week Class - Starts 9/2/2014, Ends 10/24/2014)

7519 lab 2:00pm - 5:40pm MW SA/ H107
& 5:40pm - 7:40pm MW SA/ H301

CULINARY ARTS 131 6.00 Units

CULINARY ARTS - BREAKFAST I (CSU)

Prerequisite: Culinary Arts 111; Culinary Arts 112;

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

7510 lab 6:30am - 10:10am MTWTh SA/ H107

& 10:10am - 12:10pm MTWTh SA/ H132

(8 Week Class - Starts 9/1/2014, Ends 10/24/2014)

7513 lab 6:30am - 10:10am MTWTh SA/ H107

& 10:10am - 12:10pm MTWTh SA/ H132

(8 Week Class - Starts 10/27/2014, Ends 12/18/2014)

CULINARY ARTS 132 6.00 Units

CULINARY ARTS - ENTREMETIER SAUCIER (CSU)

Prerequisite: Culinary Arts 111; Culinary Arts 112;

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

7511 7:30am - 9:30am MTWTh SA/ H134

& lab 9:30am - 1:10pm MTWTh SA/ H107

(8 Week Class - Starts 10/27/2014, Ends 12/18/2014)

7512 7:30am - 9:30am MTWTh SA/ H134

& lab 9:30am - 1:10pm MTWTh SA/ H107

(8 Week Class - Starts 9/2/2014, Ends 10/24/2014)

CULINARY ARTS 141 6.00 Units

BUTCHERY/CENTER OF THE PLATE AND QUANTITY FOOD COOKERY (CSU)

Prerequisite: Culinary Arts 111; Culinary Arts 131; Culinary Arts 132;

Culinary Arts 121, Culinary Arts 122 and Culinary Arts 112;

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

7514 7:15am - 9:15am MTWTh SA/ H132

& lab 9:15am - 12:55pm MTWTh SA/ H107

(8 Week Class - Starts 9/1/2014, Ends 10/24/2014)

7517 7:15am - 9:15am MTWTh SA/ H132

& lab 9:15am - 1:05pm MTWTh SA/ H107

(8 Week Class - Starts 10/27/2014, Ends 12/18/2014)

CULINARY ARTS 170 2.00 Units

CULINARY NUTRITION (CSU)

This course provides a quick overview of applied culinary nutrition.

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

7516 3:45pm - 5:50pm MW SA/ H103

(8 Week Class - Starts 9/2/2014, Ends 10/23/2014)

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7534 7:00am - 1:00pm M SA/ H314
(8 Week Class - Starts 9/2/2014, Ends 10/24/2014)
7537 7:00am - 11:15am M SA/ H314
(8 Week Class - Starts 10/27/2014, Ends 12/18/2014)

CULINARY ARTS 235 4.00 Units
MENU PLANNING AND PURCHASING (CSU)

Prerequisites: Culinary Arts 111; Culinary Arts 112.
Advanced course in menu planning and purchasing using the menu as a tool for ordering, selection and procurement of food and beverage items. Menu, labor, and facility computer generated cost analysis and percentages will be addressed.

7515 7:00am - 10:20am MW SA/ H107
& lab 10:20am - 1:40pm MW SA/ H134

(8 Week Class - Starts 9/2/2014, Ends 10/24/2014)

7532 7:00am - 10:10am TTh SA/ H107
& lab 10:10am - 1:40pm TTh SA/ H134

(8 Week Class - Starts 9/2/2014, Ends 10/24/2014)

7535 7:00am - 10:20am MW SA/ H107
& lab 10:20am - 1:40pm MW SA/ H301

(8 Week Class - Starts 10/28/2014, Ends 12/19/2014)

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.

7536 2:00pm - 4:10pm MW OH/ F224

(8 Week Class - Starts 9/2/2014, Ends 10/24/2014)

7538 2:00pm - 4:10pm MW OH/ F224

(8 Week Class - Starts 10/28/2014, Ends 12/19/2014)

CULINARY ARTS 941 4.00 Units
COOPERATIVE EDUCATION - CULINARY ARTS (CSU)

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

9044 4:25 hrs/wk TBA - CY/ D232

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 ELECTRICAL 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.

7400 7:00am - 8:05am MTWTh OH/ F118
& lab 8:05am - 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.

7402 7:00am - 8:05am MTWTh OH/ F126
& lab 8:05am - 12:20pm MTWTh OH/ F126

DIESEL AND RELATED TECHNOLOGY 122A 5.50 Units
DIESEL FUEL 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.

4450 5:00pm - 6:20pm MTWTh OH/ F126
& lab 6:20pm - 10:20pm 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 lab 3:10 hrs/wk TBA ON LINE
& 7:30am - 3:20pm SAT OH/ F126

DIESEL AND RELATED TECHNOLOGY 132 11.00 Units
HEAVY DUTY DRIVE TRAIN & AIR BRAKE SYSTEMS

Prerequisites: DIESLTK 112 and 122.

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

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

DIESEL AND RELATED TECHNOLOGY 132B 5.50 Units
AIR BRAKE SYSTEMS

This course will cover the operation and repair of air systems, foundation brakes, and anti-lock brake systems.

4453 5:00pm - 6:20pm TTh OH/ F100
& lab 6:20pm - 10:20pm TTh OH/ F100

DIESEL AND RELATED TECHNOLOGY 142 11.00 Units
DIESEL ENGINE OVERHAUL & ELECTRONIC 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.

7304 7:00am - 8:05am MTWTh OH/ F100
& lab 8:05am - 12:20pm MTWTh OH/ F100

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

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

7303 0:55 hrs/wk TBA ON LINE

Please visit the online program homepage at <http://moodle.lattc.edu> prior to the start of class for directions, or see the "Online Class" section of this schedule for more information.

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

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

4454 1:10 hrs/wk TBA ON LINE

Please visit the online program homepage at <http://moodle.lattc.edu> prior to the start of class for directions, or see the "Online Class" section of this schedule for more information.

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DIESEL AND RELATED TECHNOLOGY 302 HYBRID AND PLUG-IN ELECTRIC VEHICLE

6.00 Units

This course covers hybrid vehicle system fundamentals including hybrid vehicle safety, special tools, different hybrid system configurations, high voltage battery construction and maintenance, de-power procedures and basic service.

7412	1:00pm - 2:50pm	TTh	OH/F 100G
& lab	2:50pm - 5:35pm	TTh	OH/ F100

DIESEL AND RELATED TECHNOLOGY 941 COOPERATIVE EDUCATION - DIESEL AND RELATED TECHNOLOGY

4.00 Units

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

9236	4:25 hrs/wk	TBA	OH/F 100G
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DIGITAL MEDIA

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

DIGITAL MEDIA 100 INTRODUCTION TO DIGITAL VIDEO (CSU)

3.00 Units

Students are introduced to the process and tools of non-linear video editing. Basic skills will be developed in editing techniques, video formats, compression types, industry terminology, and understanding key concepts of shooting for digital systems. Students will produce short video sequences that are appropriately compressed for delivery via web/Internet and various digital media

4340	6:00pm - 7:15pm	MW	OH/ F231
& lab	7:15pm - 8:30pm	MW	OH/ F231

DIGITAL MEDIA 110 VIDEO PRODUCTION: FOOTAGE ACQUISITION

3.00 Units

Students will learn the craft of video production through hands-on producing of short digital video projects. Over the duration of the course, the students will discover planning, pre-producing, shooting, and post-production of short projects. Projects will emphasize resourcefulness, collaboration and group discourse and introduce students to the technical and creative crafts of shooting and directing digital video.

4341	9:00am - 11:05am	SAT	OH/ F231
& lab	11:15am - 1:20pm	SAT	OH/ F231

DIGITAL MEDIA 150 INTRODUCTION TO MOBILE APPLICATIONS

3.00 Units

Prerequisite: VISCOM 103

Students will develop an understanding of the core principles necessary to design and create mobile applications. Course covers pre-production, interface design, asset behavior and user experience.

4350	4:00pm - 5:15pm	T	OH/ F231
& lab	5:15pm - 8:30pm	T	OH/ F231

DIGITAL MEDIA 151 INTRODUCTION TO INTERFACE DESIGN (CSU)

3.00 Units

Prerequisite: VISCOM 103

Students will develop an understanding of the core principles necessary to design successful and dynamic Graphical User Interfaces. Course covers the essentials of visual design: color theory, layout and composition, as well as interface behavior and user experience.

4351	4:00pm - 5:15pm	Th	OH/ F231
& lab	5:15pm - 8:30pm	Th	OH/ F231

DRAFTING

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

DRAFTING 063 CADD FOR BUILDING (CSU)

3.00 Units

This course covers CAD (Computer Aided Drafting) and BIM (Building Information Model) for Mechanical, Electrical and Plumbing fundamentals, as it applies to the Architecture Field. Standards, codes, regulatory frameworks and templates are applied as per industry guidance. The student learns how to draw in digital environments and visualize multiple disciplines into a single digital model. This procedure eliminates many of the uncertainties found during the construction phase as well as clashing, scheduling conflicts, construction alignment and 'cradle to cradle' strategies.

8003	9:45am - 10:50am	TTh	CY/ D302
& lab	10:50am - 12:20pm	TTh	CY/ D302

ECONOMICS

Chair: Paulette Bailey,
Cedar Hall - CH/K-225, (213) 763-7269

ECONOMICS 001 PRINCIPLES OF ECONOMICS I (UC:CSU)

3.00 Units

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

0184	12:00pm - 1:25pm	MW	CH/ K321
3011	6:00pm - 9:10pm	M	CH/ K321

Economics 1 is also offered through ITV. Please see schedule ad on page 58

ECONOMICS 002 PRINCIPLES OF ECONOMICS II (UC:CSU)

3.00 Units

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

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

EDUCATION

Chair: Alicia Rodriguez-Estrada,
Aspen Hall - AH/TE-516, (213) 763-3938

EDUCATION 001 INTRODUCTION TO TEACHING (CSU)

3.00 Units

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

1060	11:45am - 1:10pm	MW	TBA 1
1061	10:10am - 11:35am	TTh	TBA 1

FALL 2014 Class Schedule

ELECTRICAL CONSTRUCTION AND MAINTENANCE

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

ELECTRICAL CONSTRUCTION AND MAINTENANCE 007 HOME THEATER & COMMERCIAL AUDIO, VIDEO INSTALLATION THEORY AND PRACTICES

This course offers instruction in the installation of Home Theater Video and Audio systems as well as commercial and industrial applications for audio and video technology. Upon successful completion of the course the student will have the skills to enter this area of the electrical trade.

4758 6:00pm - 7:05pm TTh SQ/ B351
& lab 7:05pm - 9:10pm TTh SQ/ B351

ELECTRICAL CONSTRUCTION AND MAINTENANCE 100

(O.S.H.A.) SAFETY STANDARDS: CONSTRUCTION & INDUSTRY

(Same as Building Construction Techniques 102).

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

8130 8:00am - 10:00am W CY/ D301

ELECTRICAL CONSTRUCTION AND MAINTENANCE 101 4.00 Units ELECTRICAL 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.

4720 5:00pm - 9:15pm W EDM TRAN
EDM Training Facility - 2nd Floor Classroom, 11760 Truedale Street, Sun Valley 91352

4842 5:00pm - 9:15pm T EDM TRAN
EDM Training Facility - 2nd Floor Classroom, 11760 Truedale Street, Sun Valley 91352

4844 5:30pm - 9:45pm W CETR DIST
Central District Headquarters - 3rd Floor conference Room, 1350 Wall Street, Los Angeles, California 90015

4856 5:30pm - 10:00pm Th CETR DIST
Central District Headquarters - 3rd Floor conference Room, 1350 Wall Street, Los Angeles, California 90015

ELECTRICAL CONSTRUCTION AND MAINTENANCE 105 3.00 Units FUNDAMENTALS OF SOLAR ELECTRICITY (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.

4862 6:00pm - 9:10pm F OH/ F208

8334 2:30pm - 5:40pm F OH/ F208

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 stand alone systems will be discussed. Energy collection, site evaluation, design analysis of various systems, material use, and methods of construction will also be covered, along with overviews of California and US energy policy and global energy use.

4620 6:00pm - 9:10pm F SQ/ B302

ELECTRICAL CONSTRUCTION AND MAINTENANCE 115 3.00 Units FUNDAMENTALS OF D.C. ELECTRICITY

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 preceding resistive circuits will be analyzed using Ohm's Law, The Power Equation and Kirchoff's Voltage and Current Laws.

4707 6:00pm - 9:10pm W OH/ F222

4708 6:00pm - 9:10pm F SQ/ B351

4709 6:00pm - 9:10pm Th SQ/ B330

8122 7:00am - 8:25am TTh SQ/ B353

8126 7:00am - 8:25am TTh SQ/ B301

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

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

4712 lab 6:00pm - 9:10pm TTh SQ/ B353

4859 lab 6:00pm - 9:20pm WF SQ/ B353

8123 lab 7:00am - 1:30pm F SQ/ B353

8127 lab 7:00am - 1:30pm F SQ/ B301

ELECTRICAL CONSTRUCTION AND MAINTENANCE 117 4.00 Units ELEMENTARY CIRCUIT PRACTICES

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

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

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

ELECTRICAL CONSTRUCTION AND MAINTENANCE 119 3.00 Units ELECTRICAL CONSTRUCTION AND MAINTENANCE

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

8125 7:00am - 8:25am MW SQ/ B353

8129 7:00am - 8:25am MW SQ/ B301

8303 3:10 hrs/wk TBA - ON LINE

Please visit the online program homepage at <http://moodle.lattc.edu> prior to the start of class for directions, or see the "Online Class" section of this schedule for more information.

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

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

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

4713 6:00pm - 9:10pm M SQ/ B336

8136 10:45am - 12:10pm MT SQ/ B320

8140 9:00am - 10:25am MT SQ/ B320

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

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

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

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

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

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

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

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

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

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

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

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

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

ELECTRICAL CONSTRUCTION AND MAINTENANCE 129 3.00 Units FUNDAMENTALS OF ALTERNATING CURRENT

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

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

4732 6:00pm - 9:10pm T OH/ F216
 8138 10:45am - 12:10pm ThF SQ/ B320
 8142 9:00am - 10:35am ThF CY/ D301

ELECTRICAL CONSTRUCTION AND MAINTENANCE 130 3.00 Units PRINCIPLES OF INDUSTRIAL ELECTRIC POWER

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

8144 10:20am - 11:35am MW OH/ F234
 8149 8:45am - 10:10am MW SQ/ B302

ELECTRICAL CONSTRUCTION AND MAINTENANCE 136 3.00 Units INDUSTRIAL POWER APPLICATIONS

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

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

ELECTRICAL CONSTRUCTION AND MAINTENANCE 137 3.00 Units INDUSTRIAL ELECTRONIC CONTROL SYSTEMS

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

8146 10:10am - 11:35am TTh OH/ F234
 8151 8:45am - 10:10am TTh SQ/ B304

ELECTRICAL CONSTRUCTION AND MAINTENANCE 138 2.00 Units APPLICATIONS OF ELECTRICAL AND ELECTRONICS DEVICES (CSU)

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

8147 lab 7:00am - 10:10am TTh SQ/ B304
 8152 lab 10:10am - 1:20pm TTh SQ/ B302

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

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

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

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

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

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

8133 lab 1:00pm - 4:10pm F OH/ F234
 8148 lab 11:40am - 1:05pm TTh OH/ F234
 8153 lab 7:00am - 10:10am F OH/ F234

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

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

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

8155 7:00am - 8:25am TF SQ/ B336
 8160 7:00am - 8:25am TF SQ/ B351

FALL 2014 Class Schedule

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

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

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

4731 6:00pm - 7:15pm MW OH/ F234
& lab 7:20pm - 9:40pm MW OH/ F234

ELECTRICAL CONSTRUCTION AND MAINTENANCE 167 3.00 Units ELECTRICAL CONSTRUCTION WIRING TECHNIQUES

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

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

8156 lab 8:35am - 11:35am MWF SQ/ B337
8161 lab 8:25am - 11:35am MWF SQ/ B337

ELECTRICAL CONSTRUCTION AND MAINTENANCE 168 2.00 Units INSTALLATION OF ELECTRICAL WIRING

Students calculate and layout of interior electric wiring systems followed by practical installations including rough-in and finishing techniques.

8157 lab 8:35am - 11:35am T SQ/ B337
& lab 7:00am - 10:10am Th SQ/ B337
8162 lab 7:00am - 10:10am Th SQ/ B337
& lab 8:25am - 11:35am T SQ/ B337

ELECTRICAL CONSTRUCTION AND MAINTENANCE 169 2.00 Units ALTERNATING CURRENT PRACTICES

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

8139 lab 9:20am - 10:45am MTThF SQ/ B330
8143 lab 12:50pm - 2:00pm MTWThF SQ/ B330

ELECTRICAL CONSTRUCTION AND MAINTENANCE 171 3.00 Units ELECTRICAL CODES AND ORDINANCES I

Basic electrical codes and ordinances are the focus of this course. General codes, wiring methods and fittings, and circuit requirements specified in the various ordinances are reviewed.

4617 6:00pm - 9:10pm M SQ/ B301
4724 6:00pm - 9:10pm T SQ/ B352

ELECTRICAL CONSTRUCTION AND MAINTENANCE 172 3.00 Units ELECTRICAL CODES AND ORDINANCES II

Advanced electrical codes and ordinances are the focus of this course. General codes, wiring methods and fittings, and circuit requirements specified in the various ordinances are reviewed.

4725 6:00pm - 9:10pm M SQ/ B353

ELECTRICAL CONSTRUCTION AND MAINTENANCE 173 3.00 Units ELECTRICAL MATHEMATICS I

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

4726 6:00pm - 9:10pm T OH/ F223
4730 6:00pm - 9:10pm T OH/ F222

ELECTRICAL CONSTRUCTION AND MAINTENANCE 174 3.00 Units ELECTRICAL MATHEMATICS II

Topics covered in this course are problems relating to A.C. power applications, use of the scientific calculator, percentage ratio and proportions, wire sizing, voltage drops, energy and efficiency calculations, trigonometric functions, phasor diagrams, A.C. single and poly-phase circuits, transformers, star and delta connections and mathematics for logic controls.

4728 6:00pm - 9:10pm M SQ/ B302
8307 10:20am - 1:30pm F SQ/ B233

ELECTRICAL CONSTRUCTION AND MAINTENANCE 177 3.00 Units ELECTRIC 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 M SQ/ B352

ELECTRICAL CONSTRUCTION AND MAINTENANCE 178 3.00 Units ELECTRIC 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 T SQ/ B336

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 ELECTRIC 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 CY/ D301

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.

4737 6:00pm - 6:45pm MW SQ/ B304
& lab 6:45pm - 9:10pm MW SQ/ B304

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ELECTRICAL CONSTRUCTION AND MAINTENANCE 186 3.00 Units INDUSTRIAL ELECTRICAL 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.

4869 6:00pm - 6:45pm TTh SQ/ B304
& lab 6:45pm - 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.

4738 6:00pm - 7:15pm TTh OH/ F234
& lab 7:15pm - 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 CONDUIT BENDING LABORATORY 1.00 Unit

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
8174 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.

4770 8:00am - 11:10am SAT SQ/ B353

ELECTRICAL CONSTRUCTION AND MAINTENANCE 196 4.00 Units INFRASTRUCTURE WIRING PRACTICES

This course offers instruction in the installation, termination, testing and documentation of commercial infrastructure wiring including the following: Coaxial Cable, Category 3,5 ,5E,& 6 Unshielded Twisted Pair, and Fiber Optics.

4751 6:00pm - 7:05pm MW SQ/ B351
& lab 7:05pm - 9:10pm MW SQ/ B351

ELECTRICAL CONSTRUCTION AND MAINTENANCE 199 3.00 Units JOURNEYMAN ELECTRICIAN 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 - 7:25pm T OH/ F208
& lab 7:25pm - 9:10pm T OH/ F208
& lab 6:00pm - 9:10pm Th SQ/ B352

ELECTRICAL CONSTRUCTION AND MAINTENANCE 205 2.00 Units

SOLAR ENERGY INSTALLATION & MAINTENANCE PRINCIPLES AND PRACTICES

This course is designed for individuals who have the basic electrical and mechanical skills of an energy technician or electrician and are looking to expand into the renewable energy field. This is a hands on class to develop the fundamental principles and practices for installation and maintenance of solar, wind, and similar renewable energy systems. This course covers basic planning, installation, and maintenance of the necessary components for various renewable energy systems.

4863 lab 6:00pm - 9:10pm MW OH/ F151
8335 lab 2:30pm - 5:40pm MW OH/ F151

ELECTRICAL CONSTRUCTION AND MAINTENANCE 212 3.00 Units

SIGNIFICANT CHANGES NEC - NATIONAL ELECTRICAL 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.

7878 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, or see the "Online Class" section of this schedule for more information.

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.

4623 6:00pm - 6:45pm TTh SQ/ B203
& lab 6:45pm - 9:10pm TTh SQ/ B203

ELECTRICAL CONSTRUCTION AND MAINTENANCE 941 4.00 Units COOPERATIVE EDUCATION -ELECTRICAL CONSTRUCTION & MAINTENANCE

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.

9072 4:25 hrs/wk TBA CY/ D236

ELECTRICAL LINEMAN - APPRENTIC

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

ELECTRICAL LINEMAN - APPRENTIC 702B 3.00 Units

ELECTRICAL LINEMAN APPRENTICE RELATED TRAINING II

Instruction is given in electricity including; electrical math, series and parallel circuits, motors, induced emf, mutual and self induction, direct current, alternating current, transformers connections, transformer fusing, capacitors, voltage regulators, definitions, core losses, polarity, markings, oil insulation, cooling practices, loading and testing, and oil circuit breakers. Street light practices, circuits, utilitarian systems, lamps, sodium and mercury lights, glassware, refractors, control of streetlights,

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map reading, forms, test, regulators and safety in maintenance are all emphasized.

5001 5:00pm - 7:00pm M GLEN PS
& lab 7:00pm - 9:10pm 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 INTRODUCTION TO ELECTRONICS (CSU) 3.00 Units

An overview of the field of applied electronics and its employment opportunities. Introduction to components, nomenclature and symbols. A familiarization of equipment, specifications and physical units. This is a broad introductory course for all students who need a survey of electronic applications and principles. Electronics as applied both historically and in today's society is investigated. Typical topics included are a study of the natural forces that make electronics possible, present applications of electronics to the fields of medicine, transportation, science, communications, industry, and the start of the digital invasion into our homes and work.

0460 8:00am - 11:10am W CH/ K302
0461 12:40pm - 3:50:00PM W CH/ K302

ELECTRONICS TECHNOLOGY

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

ELECTRONICS TECHNOLOGY 150 SOLDERING SURFACE MOUNT TECHNOLOGY 3.00 Units

This course provides an introduction of through hole soldering technology as well as principles of surface mount rework, show the range of specific equipment used in that process and provide a framework for learning about various rework methods. Recommended procedures for removal and replacement of surface mount chip components are also covered.

0464 7:00am - 9:05am F CH/ K364
& lab 9:25am - 12:35pm F CH/ K364

ELECTRONICS TECHNOLOGY 151 DC THEORY AND CIRCUIT FUNDAMENTALS 3.00 Units

Instruction is given in basic electrical concepts, electron theory, Ohm's Law, Kirchoffs Laws, series circuits, Parallel circuits, combination circuits, principles of magnetism; and the care, use, and construction of basic meters for voltage, current, and resistance measurements. Problems illustrating accuracy necessary in measurements are given.

0467 7:00am - 8:25am T CH/ K324
& 8:30am - 10:00am Th CH/ K324

ELECTRONICS TECHNOLOGY 152 DC THEORY AND CIRCUIT FUNDAMENTALS LAB 2.00 Units

Corequisite: Electronics Technology 151;
Instruction is given in constructing basic electrical circuits. Series, parallel and series/parallel circuits are constructed and troubleshot to understand the concept of troubleshooting techniques. Problems illustrating accuracy necessary in measurements are given.

0470 lab 8:30am - 11:50am T CH/ K366
& lab 10:10am - 1:30pm Th CH/ K366

ELECTRONICS TECHNOLOGY 153 APPLIED DC CALCULATIONS 1.00 Unit

Corequisite: Electronics Technology 151;

This course offers a review on basic arithmetic including addition, subtraction, multiplication, division, fractions, decimals, square roots, signed numbers, powers of ten, an introduction to algebra, and problems solving Ohm's Law and power calculations. Instruction is also provided in

algebra, calculators, logarithms, graphs, phasers, and basic trigonometry as used in electronics.

0473 7:00am - 8:25am Th CH/ K324

ELECTRONICS TECHNOLOGY 157 SEMICONDUCTORS DEVICES AND APPLICATIONS 3.00 Units

Prerequisite: Electronics Technology 154;

This course imparts knowledge of semiconductors, electron devices including diodes, transistors, and their application in electronic circuits such as Amplifiers, Switches, Power Supplies, Oscillators, and Integrated Circuits.

0485 7:00am - 8:25am MW CH/ K366

ELECTRONICS TECHNOLOGY 158 SEMICONDUCTORS DEVICES AND ELECTRONICS LABORATORY 3.00 Units

Prerequisite: Electronics Technology 155;

This is a semiconductor devices laboratory course. It includes lab exercises using semiconductors devices including diodes, transistors, and their application in electronic circuits such as Amplifiers, Switches, Power Supplies, Oscillators, and Integrated Circuits.

0488 lab 8:30am - 1:40pm MW CH/ K366

ELECTRONICS TECHNOLOGY 159 DIGITAL CIRCUITS AND APPLICATIONS 3.00 Units

Prerequisite: Electronics Technology 154;

This is an introductory course in digital electronics and applications. The course covers the number systems, including the decimal, binary, octal, and hexadecimal number systems. The topics covered include the characteristics of TTL and CMOS logic families, combinational logic circuits, minimizing logic circuits, minimizing logic circuits using Boolean Operations and Karnaugh maps, encoders and decoders, sequential logic devices such as flip-flops, counters, shift registers, and memory devices.

0491 7:00am - 8:25am MW CH/ K364

ELECTRONICS TECHNOLOGY 160 DIGITAL CIRCUITS AND APPLICATIONS LAB 2.00 Units

Prerequisite: Electronics Technology 154;

This course is designed to provide students with the fundamentals of digital circuits and their applications. Lab activities include the characteristics of TTL and CMOS logic families, combinational logic, minimizing logic circuits using Boolean operations and Karnaugh maps, encoders and decoders, sequential logic devices such as flip-flops, counters, shift registers, and memory devices.

0494 lab 8:30am - 1:40pm MW CH/ K364

ELECTRONICS TECHNOLOGY 161 F.C.C. RADIO OPERATOR LICENSE 3.00 Units

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 lattc.edu/lattc/on_line/classes.htm prior to the start of class for directions, or see the "Online Class" section of this schedule for more information.

Please visit the online program homepage at <http://moodle.lattc.edu> prior to the start of class for directions, or see the "Online Class" section of this schedule for more information.

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ELECTRONICS TECHNOLOGY 252 NETWORK CABLING SPECIALIST 3.00 Units

This course is designed to provide students with the basic skills used in network technology. The successful completion of the course leads to a certificate in network cabling. Students will become familiar with EIA/TIA 568 Standards (Electronics Industry Alliance/ Telecommunications Association). Students will learn various cables used in network cabling industry such as CAT 5, CAT5E, and coaxial cables and correctly terminate them.

0509	7:00am - 9:05am	F	CH/ K364
& lab	9:25am - 12:35pm	F	CH/ K364

ELECTRONICS TECHNOLOGY 253 FIBER OPTICS 3.00 Units

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 COMPUTER APPLICATIONS FOR ELECTRONICS TECHNOLOGY 3.00 Units

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 - 9:05am	M	CH/ K302
& lab	9:25am - 12:25pm	M	CH/ K302

ENGINEER-OPERATION / MAINTENANCE

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

ENGINEER-OPERATION/MAINTENANCE 228 STEAM PLANT OPERATION I 6.00 Units

Related engineering information concerning high pressure steam plants in office buildings and industrial establishments are studied in this course. Emphasis is given to steam power plant, use of steam tables, types of boilers, construction of boilers, boiler accessories, settings for combustion equipment and heating surfaces; operation of steam boilers and the combustion of fuels.

4755	6:00pm - 9:10pm	WF	OH/ F208
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ENGINEER-OPERATION/MAINTENANCE 229 STEAM PLANT OPERATION II 6.00 Units

Instruction is given in steam engines, valve operating mechanisms and governors, and operating characteristics of steam engines. Course covers steam turbines, pumps, and auxiliary power plant equipment, steam plant efficiencies, boiler water treatment, troubleshooting, and power transmission. Completion of this second course prepares trainee to take Los Angeles City examination for steam engineer's license.

4756	6:00pm - 9:10pm	TTh	SQ/ B320
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ENGLISH

Chair: Jan Gangel-Vasquez,
Aspen Hall, AH/TE-515, (213) 763-3929

ENGLISH 021 ENGLISH FUNDAMENTALS (NDA) 3.00 Units

Prerequisite: Placement Exam or Learning Skills 2C or Basic Skills 2CE
This course focuses on the fundamentals of academic reading, writing, and critical thinking. It reinforces basic skills such as the correct use of punctuation, spelling, and sentence structure. Students incorporate these

skills, along with sentence combining techniques, to write single paragraph responses progressing to short essays (250-500 words) that have an introduction, body, and conclusion.

1363	10:20am - 11:45am	TTh	OH/ F210
1410	8:40am - 10:05am	TTh	OH/ F210
1411	1:35pm - 4:45pm	Th	AH/T E215
1418	1:35pm - 4:45pm	T	AH/T E215
3831	6:00pm - 9:10pm	W	AH/T E215
3833	6:00pm - 9:10pm	T	AH/T E210

ENGLISH 028 INTERMEDIATE READING AND COMPOSITION 3.00 Units

Prerequisite: English 21.

In this course, students plan, draft, revise, and edit compositions of increasing sophistication and complexity, progressing from multi-paragraph essays to research papers. Writing is based on readings that cover topics that challenge students' thinking and provide an intellectual background for the assignments. Readings, discussion, and writing assignments may focus on fiction, non-fiction, memoirs, and/or poetry.

This course prepares students for English 101.

1346	8:40am - 10:05am	MW	OH/ F210
1392	10:20am - 11:45am	MW	OH/ F210
1397	10:20am - 11:45am	TTh	TBA 1
1398	12:00pm - 3:10pm	Th	OH/ F228
3835	6:00pm - 9:10pm	T	AH/T E215
3836	6:00pm - 9:10pm	W	AH/T E208
7946	3:25 hrs/wk	TBA	ON LINE

Note: Required three (3) in-person meetings to be arranged.

Please visit the online program homepage at <http://moodle.lattc.edu> prior to the start of class for directions, or see the "Online Class" section of this schedule for more information.

ENGLISH 100 ACCELERATED PREP: COLLEGE WRITING (NDA) 3.00 Units

Corequisite: English 67; Advisory:

This class prepares students for academic reading, critical thinking, and writing expected in transfer and associate-degree classes. Students plan, draft, revise, and edit compositions of increasing sophistication and complexity, progressing from multi-paragraph essays to research papers. Writing is based on readings that cover topics that challenge students' thinking and provide an intellectual background for the assignments. Readings, discussion, and writing assignments may focus on fiction, non-fiction, memoirs, drama, and/or poetry. This course prepares students for English 101.

1343	10:20am - 11:45am	MW	AH/T E208
1345	12:00pm - 1:25pm	TTh	AH/T E212
section #1345 - Fashion focus			
1347	10:20am - 11:45am	TTh	AH/T E212
Section #1347 - Puente class			
1348	12:00pm - 1:25pm	TTh	AH/T E213
1349	8:40am - 10:05am	MW	AH/T E208
1351	12:00pm - 1:25pm	MW	AH/T E210
1362	10:20am - 11:45am	TTh	OH/ F210
1390	10:20am - 11:45am	MW	OH/ F228

English 101 is also offered through ITV. Please see schedule ad on page 58

ENGLISH 101 COLLEGE READING AND COMPOSITION I (UC:CSU) 3.00 Units

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

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the Associate of Arts degree and fulfills the transfer requirement to a four-year college.

1354 11:45am - 1:45pm W AH/T E210
& 1:05 hrs/wk TBA AH/T E210

section #1354 - Science focus

1355 8:40am - 10:05am TTh AH/T E208
1356 12:00pm - 2:05pm Th AH/T E208
& 1:05 hrs/wk TBA AH/T E208
1357 8:40am - 10:05am MW AH/T E215
1358 12:00pm - 1:25pm TTh AH/T E215
1381 1:30pm - 4:40pm Th OH/ F228
1382 12:00pm - 2:05pm W AH/T E201
& 1:05 hrs/wk TBA AH/T E201

Fashion focus

3827 6:00pm - 9:10pm W AH/T E208
3907 6:00pm - 9:10pm T AH/T E210
7950 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, or see the "Online Class" section of this schedule for more information.

7951 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, or see the "Online Class" section of this schedule for more information.

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.

1340 6:00pm - 8:05pm W AH/T E212
& 1:05 hrs/wk TBA AH/T E212
4020 6:00pm - 8:05pm W AH/T E212
& 1:00 hrs/wk TBA AH/T E212

English 102 is also offered through ITV. Please see schedule ad on page 58

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.

1360 10:20am - 11:45am MW AH/T E215
1364 8:40am - 10:05am TTh AH/T E215
1366 1:30pm - 4:40pm W OH/ F224
1385 1:30pm - 4:40pm Th OH/ F224
3829 6:00pm - 9:10pm W AH/T E212
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, or see the "Online Class" section of this schedule for more information.

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, or see the "Online Class" section of this schedule for more information.

ENGLISH 203 3.00 Units

WORLD LITERATURE I (UC:CSU)

Prerequisite: English 101;

This course surveys world literature in translation, including representative selections from Asian, Greek, and Latin literature, and European masterpieces of the Middle Ages and Renaissance, and the Bible.

1372 12:00pm - 1:45pm M AH/T E208
& 1:05 hrs/wk TBA AH/T E208

ENGLISH 205 3.00 Units

ENGLISH LITERATURE I (UC:CSU)

Prerequisite: English 101; Advisory: English 102;

This course is a chronological survey of the English language, literary forms, and ideas from the Anglo-Saxon period through the eighteenth century (Old English to the Neoclassical period), with special attention to Chaucer, Spenser, Shakespeare, Milton, Dryden, Pope, Swift, and Johnson as representatives of their respective periods. Extensive reading and discussion of works. Strong writing component and emphasis on textual analysis. Examination of the relationship between historical events and literary works.

7958 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, or see the "Online Class" section of this schedule for more information.

ENGLISH 207 3.00 Units

AMERICAN LITERATURE I (UC:CSU)

Prerequisite: English 101;

This course surveys American literature from 1608 to the Civil War, emphasizing major writers and works, as well as writers who suggest the diversity of subject and opinion in American literature.

7942 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, or see the "Online Class" section of this schedule for more information.

ENGLISH 212 3.00 Units

POETRY (UC:CSU)

Prerequisite: English 101. Prerequisite: English 101;

English 212 features the reading, discussion, and analysis of selected American, British, and world poetry. Students will also write poetry. The course is designed to increase the students' understanding and enjoyment of poetry.

1371 12:00pm - 2:05pm T AH/T E201
& 1:05 hrs/wk TBA ON LINE

Please visit the online program homepage at <http://moodle.lattc.edu> prior to the start of class for directions, or see the "Online Class" section of this schedule for more information.

ENGLISH 240 3.00 Units

LITERATURE AND THE MOTION PICTURE I (UC:CSU)

Prerequisite: English 101.

This course is designed to give the student opportunities to view, analyze, and evaluate films of artistic and cultural significance. The relationship between literature and film is discussed and evaluated.

1383 1:35pm - 4:45pm W AH/T E215

FALL 2014 Class Schedule

ENGLISH AS A SECOND LANGUAGE

Chair: Jan Gangel-Vasquez,
Aspen Hall, AH/TE-515, (213) 763-3929

ENGLISH AS A SECOND LANGUAGE 005A 6.00 Units COLLEGE ESL V: WRITING AND GRAMMAR (CSU)

Prerequisite: ESL 4A

In ESL 5A, students consolidate grammar and paragraph writing skills. They also practice writing organized, well-developed essays. ESL 5A is part of a sequence of courses that prepare students for college level composition.

1560 8:40am - 11:50am MW OH/ F214

ENGLISH AS A SECOND LANGUAGE 006A 6.00 Units COLLEGE ESL VI: WRITING AND GRAMMAR (CSU)

Prerequisite: ESL 5A

ESL 6A students practice prewriting, editing, and rewriting skills that will lead to organized, well developed essays. A short research paper is also included. ESL 6A is part of sequel of ESL writing courses that leads to college level composition.

1561 8:40am - 11:50am TTh OH/ F214

ENGLISH AS A SECOND LANGUAGE 008 6.00 Units COLLEGE ENGLISH AS A SECOND LANGUAGE 8: ADVANCED ESL COMPOSITION (UC:CSU)

Prerequisite: ESL 6A

ESL 8 is a course in written composition and critical reading skills for the English-as-a-Second Language student. The emphasis is on writing based primarily on critical reading and secondarily on life experiences. Advanced grammar skills are emphasized throughout each lesson.

1562 lec 8:40am - 11:50am MW K.C. KINYON
OH/ F228

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.

5710 8:00am - 9:40am MTWTh OH/ F209

(8 Week Class - Starts 9/1/2014, Ends 10/24/2014)

5716 6:40pm - 8:20pm TW CY/ D204

(8 Week Class - Starts 9/1/2014, Ends 10/24/2014)

5717 4:30pm - 6:20pm MW OSCA HOYA

(8 Week Class - Starts 9/1/2014, Ends 10/24/2014)

Oscar De La Hoya Aimo Charter High School

1114 South Lorena Street

Los Angeles, CA 90023

5718 6:40pm - 8:20pm MTWTh OH/ F209

(8 Week Class - Starts 10/27/2014, Ends 12/21/2014)

8755 8:00am - 9:40am MTWTh CY/ D200

(8 Week Class - Starts 9/1/2014, Ends 10/24/2014)

8756 8:00am - 9:40am MTWTh OH/ F209

(8 Week Class - Starts 10/27/2014, Ends 12/21/2014)

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.

5714 6:40pm - 8:20pm MTWTh OH/ F210

(8 Week Class - Starts 10/27/2014, Ends 12/21/2014)

5719 6:40pm - 8:20pm MTWTh OH/ F210

(8 Week Class - Starts 9/1/2014, Ends 10/24/2014)

8757 8:00am - 9:40am MTWTh OH/ F210

(8 Week Class - Starts 9/1/2014, Ends 10/24/2014)

8758 8:00am - 9:40am MTWTh OH/ F210

(8 Week Class - Starts 10/27/2014, Ends 12/21/2014)

ENGLISH AS A SECOND LANGUAGE - Noncredit 008CE 0.00 Unit ENGLISH AS A SECOND LANGUAGE - 2 (NDA) (RPT 9)

Listening, reading, speaking, and writing skills for ESL learners with some English language skills.

5711 6:40pm - 8:20pm MTWTh OH/ F228

(8 Week Class - Starts 10/27/2014, Ends 12/21/2014)

5715 6:40pm - 8:20pm MTWTh OH/ F228

(8 Week Class - Starts 9/1/2014, Ends 10/24/2014)

8759 8:00am - 9:40am MTWTh OH/ F228

(8 Week Class - Starts 9/1/2014, Ends 10/24/2014)

8760 8:00am - 9:40am MTWTh CY/ D200

(8 Week Class - Starts 10/27/2014, Ends 12/21/2014)

ESL CIVICS

ESL CIVICS 013CE.00 Unit

ESL AND CIVICS 4 (NDA) (RPT 9)

8761 6:40pm - 8:20pm MTWTh CY/ D200

(8 Week Class - Starts 9/1/2014, Ends 10/24/2014)

8762 8:00am - 9:40am MTWTh CY/ D200

(8 Week Class - Starts 10/27/2014, Ends 12/21/2014)

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 9/1/2014, Ends 10/24/2014)

7051 7:00am - 8:10am MTWThF CY/ D234

& lab 8:10am - 11:30am MTWThF CY/ D234

(8 Week Class - Starts 9/1/2014, Ends 10/24/2014)

7052 11:45am - 12:55pm MTWThF CY/ D332

& lab 12:55pm - 4:15pm MTWThF CY/ D332

(8 Week Class - Starts 9/1/2014, Ends 10/24/2014)

7053 7:00am - 8:10am MTWThF CY/ D234

& lab 8:10am - 11:30am MTWThF CY/ D234

(8 Week Class - Starts 10/27/2014, Ends 12/21/2014)

7054 lec 11:45am - 12:55pm MTWThF CY/ D234

& lab 12:55pm - 4:15pm MTWThF CY/ D234

(8 Week Class - Starts 10/27/2014, Ends 12/21/2014)

FALL 2014 Class Schedule

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 T CY/ D203
& lab 8:10am - 11:30am MTWThF CY/ D203

(8 Week Class - Starts 9/1/2014, Ends 10/24/2014)

7056 11:45am - 12:55pm MTWThF CY/ D102
& lab 12:55pm - 4:15pm MTWThF CY/ D102

(8 Week Class - Starts 9/1/2014, Ends 10/24/2014)

7057 7:00am - 8:10am MTWThF CY/ D203
& lab 8:10am - 11:30am MTWThF CY/ D203

(8 Week Class - Starts 10/27/2014, Ends 12/21/2014)

7058 7:00am - 8:10am MTWThF CY/ D105
& lab 8:10am - 11:30am MTWThF CY/ D105

(8 Week Class - Starts 10/27/2014, Ends 12/21/2014)

7059 11:45am - 12:55pm MTWThF CY/ D102
& lab 12:55pm - 4:15pm MTWThF CY/ D102

(8 Week Class - Starts 10/27/2014, Ends 12/21/2014)

FASHION DESIGN 119 3.00 Units

HISTORY OF COSTUME

This course surveys the origins and development of clothing from prehistoric times through the 20th century. Students will explore costume from its earliest origins through adaptation and assimilation into popular 'fashion' in each century. Instruction will include in-depth study of fashion trends, creators, and political climate that has influenced the creation of men's and women's fashion. The influence of historical costume on contemporary dress is discussed.

7062 12:00pm - 1:45pm TTh CY/ D236

FASHION DESIGN 120 5.00 Units

BASIC PATTERN MAKING & DESIGN (CSU)

Prerequisite: Fashion Design 111; Fashion Design 112. Instruction is given on drafting the basic block, multiple darts and gathers, style lines, sleeves, collars, skirts, and bodice silhouettes.

7064 7:00am - 8:10am MTWThF CY/ D130
& lab 8:10am - 11:30am MTWThF CY/ D130

(8 Week Class - Starts 10/27/2014, Ends 12/21/2014)

7065 7:00am - 8:10am MTWThF CY/ D331
& lab 8:10am - 11:30am MTWThF CY/ D331

(8 Week Class - Starts 10/27/2014, Ends 12/19/2014)

7066 11:45am - 12:55pm MTWThF CY/ D105
& lab 12:55pm - 4:05pm MTWThF CY/ D105

(8 Week Class - Starts 10/27/2014, Ends 12/21/2014)

FASHION DESIGN 122 5.00 Units

GRADING AND MARKER MAKING

Instruction is given in grading the basic block, multi-patterns, the complete pattern for men, women and children, in a variety of sizes, make a marker, manipulate the one and two darts block, draft the basic dart positions, demonstrate the slash and pivot methods, draft extensions, button placement and facing.

7068 7:00am - 8:10am MTWThF CY/ D105
& lab 8:10am - 11:30am MTWThF CY/ D105

(8 Week Class - Starts 9/1/2014, Ends 10/24/2014)

7069 7:00am - 8:10am MTWThF CY/ D205
& lab 8:10am - 11:30am MTWThF CY/ D205

(8 Week Class - Starts 9/1/2014, Ends 10/24/2014)

7070 11:45am - 12:55pm MTWThF CY/ D105
& lab 12:55pm - 4:15pm MTWThF CY/ D105

(8 Week Class - Starts 9/1/2014, Ends 10/24/2014)

FASHION DESIGN 125 3.00 Units

TEXTILES, FIBERS AND FABRICS, PROPERTIES AND MANUFACTURING (CSU)

This course is an introduction and overview of trade terminology, characteristics of fabric and the difference between cellulose, protein and man-made fibers. Topics discussed include: types of yarns and properties, twist yarn, yarn numbering systems and factors in yarn influencing quality. Woven, knitted, tufted, non-woven fabrics and additional fabrication methods will be discussed.

7072 9:00am - 10:45am MW CY/ D236

FASHION DESIGN 130 5.00 Units

DRAPING & DESIGN (CSU)

Prerequisite: Fashion Design 120.

Instruction is given in fundamental draping procedures. The basic block and dart variations, yoke styles, torso styles, advanced skirts, cowls, stretch knits, and current style adaptation are practiced.

7076 7:00am - 8:10am MTWThF CY/ D102
& lab 8:10am - 11:30am MTWThF CY/ D102

(8 Week Class - Starts 10/27/2014, Ends 12/21/2014)

7077 7:00am - 8:10am MTWThF CY/ D333
& lab 8:10am - 11:30am MTWThF CY/ D333

(8 Week Class - Starts 10/27/2014, Ends 12/21/2014)

7078 11:45am - 12:55pm MTWThF CY/ D331
& lab 12:55pm - 4:15pm MTWThF CY/ D331

(8 Week Class - Starts 10/27/2014, Ends 12/21/2014)

FASHION DESIGN 132 5.00 Units

ADVANCED PATTERNS AND DESIGN (CSU)

Prerequisite: Fashion Design 120 and Fashion Design 122;

Instruction is given in torso, jacket and pant blocks, sleeves-in-one with the bodice, neckline variations, and style adaptations according to current styling.

7079 7:00am - 8:10am MTWThF CY/ D102
& lab 8:10am - 11:30am MTWThF CY/ D102

(8 Week Class - Starts 9/1/2014, Ends 10/24/2014)

7080 7:00am - 8:10am MTWThF CY/ D130
& lab 8:10am - 11:30am MTWThF CY/ D130

(8 Week Class - Starts 9/1/2014, Ends 10/24/2014)

7081 11:45am - 12:55pm MTWThF CY/ D331
& lab 12:55pm - 4:15pm MTWThF CY/ D331

(8 Week Class - Starts 9/1/2014, Ends 10/24/2014)

FASHION DESIGN 137 2.00 Units

BUSTIER CREATION

Prerequisites: FASHDSN 111, 112, 120.

Research historical bustier (corset foundation) designs and construction methods and adapt them to create currently fashionable bustier.

7112 lab 8:35am - 3:05pm SAT CY/ D102

FASHION DESIGN 138 2.00 Units

TAILORING TECHNIQUES FOR READY TO WEAR

Prerequisites: FASHDSN 111 or 222.

The objective of this course is to advance the tailoring skills of fashion design students. Instruction will be given on preparation and cutting of fabric, basic hand stitching, the use of steam pressing equipment, and basic elements of tailored apparel.

7093 lab 12:00pm - 1:00pm F CY/ D106
& lab 1:00pm - 4:30pm F CY/ D106

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FASHION DESIGN 141 ADVANCED DESIGN (CSU) 5.00 Units

Prerequisite: Fashion Design 130 and Fashion Design 132;
Instruction is given in knit blocks, specialized fabrics, dartless blocks, knock-offs, and specialized projects relating to current trends.

7084 7:00am - 8:10am MTWThF CY/ D106
& lab 8:10am - 11:30am MTWThF CY/ D106

(8 Week Class - Starts 9/1/2014, Ends 10/24/2014)

7085 7:00am - 8:10am MTWThF CY/ D230
& lab 8:10am - 11:30am MTWThF CY/ D230

(8 Week Class - Starts 9/1/2014, Ends 10/24/2014)

FASHION DESIGN 142 MANUFACTURING PRODUCTION (CSU) 5.00 Units

Prerequisite: Fashion Design 141;
Instruction is given in design and creation of garments for showing to the apparel industry. Included is the creation of children's and men's designs along with evening and avant garde styles and the development of a perfect production patterns for a minimum of two ensembles. Field trips, senior evaluation, and job orientation are also included.

7088 7:00am - 8:10am MTWThF CY/ D106
& lab 8:10am - 11:30am MTWThF CY/ D106

(8 Week Class - Starts 10/27/2014, Ends 12/21/2014)

7089 7:00am - 8:10am MTWThF CY/ D230
& lab 8:10am - 11:30am MTWThF CY/ D230

(8 Week Class - Starts 10/27/2014, Ends 12/21/2014)

FASHION DESIGN 147 FASHION SHOW PRODUCTION 2.00 Units

Instruction is given on developing a theme and overall concept for presenting a fashion show. Topics include history of fashion presentations, model selection, fitting, stage design and execution plus behind the scenes production of a department fashion show.

7116 12:00pm - 1:30pm F CY/ D236
& lab 1:05 hrs/wk TBA CY/ D236

FASHION DESIGN 222 2.00 Units SAMPLE MAKING AND DESIGN I

The fundamentals of garment construction using industrial patterns, marker making and industrial power machines. Students are assigned garment projects which demonstrate basic techniques, combining classic with modern manufacturing techniques, with special emphasis on pattern layouts for plaids and prints.

4250 lab 6:00pm - 9:10pm TTh B.S. TORDA
CY/ D234

7101 lab 8:35am - 3:05pm SAT F. DREBSKAYA
CY/ D130

FASHION DESIGN 223 2.00 Units SAMPLE MAKING AND DESIGN II

The objective of this course is to advance the sewing skills of fashion design students. Students are assigned to create and construct a coordinated group using industrial patterns. Selected blouses, shirts, pants and jacket are made.

4251 lab 6:00pm - 9:10pm TTh CY/ D234
7103 lab 8:35am - 3:05pm SAT CY/ D130

FASHION DESIGN 224 2.00 Units SAMPLE MAKING AND DESIGN III

Instruction is provided on construction and fitting of selected commercial patterns adapted to industry standards. Students receive instruction in the theory of color, line and proportion. They create or select designs suitable to the individual and occasion. Selected soft dressmaker type coats, suits, vests, blouses, and dresses are made.

4252 lab 6:00pm - 9:10pm TTh CY/ D234
7105 lab 8:35am - 3:05pm SAT CY/ D130

FASHION DESIGN 225 2.00 Units PATTERN MAKING AND DESIGN I

Advisory: Fashion Design 222;
Entry level class offering instruction in development of a basic block, test fitting, and additional basic pattern making fundamentals.

4253 lab 6:00pm - 9:10pm MW CY/ D205
7108 lab 8:35am - 3:05pm SAT CY/ D331

FASHION DESIGN 226 2.00 Units PATTERN MAKING AND DESIGN II

Prerequisite: Fashion Design 225;
Intermediate level class offering instruction on the torso bodice, dartless block and drafting a basic pant then using the blocks to create dresses, shirt styles and pant variations. Advanced skirts styling is also included.

4254 lab 6:00pm - 9:10pm MW CY/ D102
7109 lab 8:35am - 3:05pm SAT CY/ D205

FASHION DESIGN 227 2.00 Units PATTERN MAKING AND DESIGN III

Prerequisite: Fashion Design 226;
Advanced level class offering instruction on jackets, advanced sleeve styles, contouring fundamentals, and basic bodysuits and leotards.

4255 lab 6:00pm - 9:10pm MW CY/ D102
7111 lab 8:35am - 3:05pm SAT CY/ D205

FASHION DESIGN 228 2.00 Units PATTERN GRADING AND DESIGN I

4256 lab 6:00pm - 9:10pm TTh CY/ D106

FASHION DESIGN 229 2.00 Units PATTERN GRADING AND DESIGN II

Selected whole garments are graded. Research and study is done on the laws of proportionate growth, size ranges, and difficult pattern shapes. Principles of design are correlated to grading problems.

4257 lab 6:00pm - 9:10pm TTh CY/ D106

FASHION DESIGN 230 1.00 Unit CONTEMPORARY GARMENT CONSTRUCTION TECHNIQUES

This course provides the opportunity for students to review and practice various hand and machine sewing techniques. Students concentrate on garment assembly projects using industrial methods.

4282 lab 4:15pm - 6:15pm TTh CY/ D333
(15 Week Class - Starts 9/8/2014, Ends 12/21/2014)

7091 lab 1:00pm - 3:00pm MW CY/ D106
(15 Week Class - Starts 9/8/2014, Ends 12/21/2014)

FASHION DESIGN 231 1.00 Unit CONTEMPORARY PATTERN MAKING TECHNIQUES

This course provides fashion students the opportunity to review and practice various pattern making techniques. Students concentrate on pattern drafting projects using industry methods.

4283 lab 4:15pm - 6:15pm TTh CY/ D333

(15 Week Class - Starts 9/8/2014, Ends 12/21/2014)

7098 lab 1:00pm - 3:00pm MW CY/ D106
(15 Week Class - Starts 9/8/2014, Ends 12/21/2014)

FASHION DESIGN 236 2.00 Units FASHION SKETCHING AND DESIGN I

Instruction includes fashion figure drawing, rendering fabrics and garments on figures, designing selected garments, study of color theory and techniques.

4260 lab 6:00pm - 9:10pm MW CY/ D230

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FASHION DESIGN 237 2.00 Units

FASHION SKETCHING AND DESIGN II

Prerequisite: Fashion Design 236;
Instruction includes women's day dresses, children's fashion figures and garment designs, watercolor or gouache techniques, technical illustrations, contemporary graphic layouts and the portfolio development.
4262 lab 6:00pm - 9:10pm MW CY/ D230

FASHION DESIGN 238 2.00 Units

FASHION SKETCHING AND DESIGN III

Prerequisite: Fashion Design 236; Fashion Design 237;
Instruction includes developing male croquis models, designing formal wear for men, women and children, exploring marker techniques, developing illustrations with markers and other mediums combined in categories of interest and concentration, writing a resume, cover letter and calling card and developing a refined professional portfolio in preparation for job interviews.
4264 lab 6:00pm - 9:10pm MW CY/ D230

FASHION DESIGN 239 2.00 Units

GOWN DRAPING AND DESIGN I

Instruction is offered on draping, fitting basic blocks, and transferring the drape to a paper pattern. Students will drape basic type bodices, sleeves, skirts, collars, and construction details. Theory includes basic principles of design, line, proportion, and fabric use.
4267 lab 6:00pm - 9:10pm TTh CY/ D105
7120 lab 8:35am - 3:05pm SAT CY/ D105

FASHION DESIGN 240 2.00 Units

GOWN DRAPING AND DESIGN II

This course includes the draping of casual knit garments and dress and jacket style innovations. Students use either muslin or fashion fabric according to their capabilities. Fashion trends are studied and original designs are created.
4269 lab 6:00pm - 9:10pm TTh H. KIM CY/ D102
7121 lab 8:35am - 3:05pm SAT D.J. CUNNIGAN
CY/ D105

FASHION DESIGN 241 2.00 Units

GOWN DRAPING AND DESIGN III

This course correlates the designer's knowledge of designing, sketching, patternmaking, draping, and construction. Students develop confidence as they study the problems of merchandising and manufacturing. Original designs for special occasion garments are executed in various fabrics.

4271 lab 6:00pm - 9:10pm TTh CY/ D102
7122 lab 8:35am - 3:05pm SAT CY/ D105

FASHION DESIGN 244 2.00 Units

COMPUTER FASHION ART

This course offers computer fashion art instruction using the MAC computer. Emphasis is placed on the preparation and input of fashion images for portfolios and design presentations as required by industry standards.

4273 lab 6:00pm - 9:10pm TTh CY/ D203

FASHION DESIGN 255 2.00 Units

COMPUTERIZED PRODUCT DESIGN

This course offers advanced training and development of skills in apparel utilizing the latest versions of apparel pattern making software. Design students will concentrate on working on advanced pattern and design projects ranging from haute couture to ready-to-wear clothing.

4276 lab 6:00pm - 9:10pm TTh CY/ D133

FASHION DESIGN 257 2.00 Units

APPAREL PATTERN DESIGN SYSTEMS

This course provides an overview of current computer-aided design applications used in apparel pattern development. The class will cover manual pattern development and demonstrate how two-dimensional patterns translate to the computer. Students will learn to identify menus

associated with pattern applications, used for Tukatech software, and will compose a full-scale pattern on the computer as it applies to industry.
4279 lab 6:00pm - 9:10pm MW CY/ D132

FASHION DESIGN 264 2.00 Units

APPAREL COMPUTER SYSTEMS ANALYSIS (CSU)

This lab course demonstrates how the apparel industry uses commercial and Vendor apparel technology in the global market. Topics covered are apparel software and commercial hardware used to design and manufacture products.

7140 7:45am - 9:10am TTh CY/ D132
& lab 9:10am - 11:25am TTh CY/ D132

(8 Week Class - Starts 10/27/2014, Ends 12/21/2014)

FASHION DESIGN 270 2.00 Units

ILLUSTRATOR FOR FASHION DESIGN

This course offers Adobe Illustrator instruction using the Macintosh computer. Emphasis is placed on the preparation and input of fashion design ideas in flat drawings for portfolios, pattern information cards, and cost sheets as required to meet industry standards.

7134 lab 8:35am - 3:05pm SAT CY/ D203

FASHION DESIGN 941 4.00 Units

COOPERATIVE EDUCATION - FASHION DESIGN

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

9092 4:25 hrs/wk TBA CY/ D232

FASHION MERCHANDISING

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

FASHION MERCHANDISING 001 3.00 Units

ENTREPRENEURIAL FASHION (CSU)

Advisory: English 101; Mathematics 105.
This course delivers the information needed to develop an effective business plan and provides a background in entrepreneurship for apparel related businesses. Students will examine the development of a fashion retail business from concept evaluation to strategy articulation. Procedures and resources for researching and opening a business are covered, as well as assortment planning, pricing and financing.

7160 8:30am - 11:20am F CY/ D300
& lab 11:20am - 1:05pm F CY/ D300

FASHION MERCHANDISING 010 3.00 Units

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.

7161 8:30am - 10:15am MW CY/ D300

FASHION MERCHANDISING 025 3.00 Units

FASHION AND INDUSTRY INTERCHANGE (CSU)

Advisory: English 101.
This course covers current trends and relationships in the Fashion Industry between apparel, accessories, cosmetics, and home goods. Each category of goods is reviewed from the perspectives of historical development, organization and operation, merchandising and marketing

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in order to gain broad insight to the unique aspects of these industry segments.

7162 10:30am - 12:15pm MW CY/ D300

FASHION MERCHANDISING 030 WHOLESALE MERCHANDISING (CSU) **3.00 Units**

Advisory: English 101; Mathematics 105.

This course prepares students for a merchandising position with an apparel manufacturing company. All phases, including line development, design, costing, sales, production, contracting and distribution are covered. Current trends and specialized knowledge in merchandising a successful line are emphasized.

7163 11:00am - 12:45pm TTh CY/ D300

FASHION MERCHANDISING 041 FASHION MERCHANDISE BUYING (CSU) **3.00 Units**

Advisory: Fashion Merchandising 10; English 101; Mathematics 105.

This course provides specific instruction on fashion/merchandise buying tasks such as: identifying target customers, creating six month merchandise plans, departmental assortment plans, shopping the market and placing orders, in-season sales planning and forecasting, and calculating open-to-buy. This course covers the process of retail buying for a small business as well as for larger companies.

7173 8:30am - 9:55am TTh CY/ D300
& lab 9:55am - 10:45am TTh CY/ D300

FASHION MERCHANDISING 941 COOPERATIVE EDUCATION - FASHION MERCHANDISING **4.00 Units**

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

9088 4:25 hrs/wk TBA CY/ D232

FRENCH

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

FRENCH 001 ELEMENTARY FRENCH I (UC:CSU) **5.00 Units**

This course introduces the cultures and civilization of France and the French-speaking world. This introductory course stresses the fundamentals of French pronunciation and grammar; the building of a practical basic vocabulary; and the development of the ability to speak, understand, read, and write simple contemporary French.

1447 10:10am - 12:40pm TTh OH/ F223

FRENCH 002 ELEMENTARY FRENCH II (UC:CSU) **5.00 Units**

Prerequisite: French 1.

This course completes the study of elementary grammar, increases vocabulary, includes the reading of simplified texts with continued emphasis on aural and written comprehension, oral expression, and the writing of simple French. Further study of French and Francophone cultures are expected to be covered.

1448 12:50pm - 3:20pm TTh OH/ F223

GEOGRAPHY

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

GEOGRAPHY 002 CULTURAL ELEMENTS OF GEOGRAPHY (UC:CSU) **3.00 Units**

Advisory: English 28.

This course examines a broad array of the elements and expressions of human culture including population distribution, use and re-use of natural resources, principle modes of transportation and commerce, sources of energy, languages and religions, the globalization of culture, as well as the social, political, and economic causes of war and climate change.

7850 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, or see the "Online Class" section of this schedule for more information.

GEOLOGY

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

GEOLOGY 001 PHYSICAL GEOLOGY (UC:CSU) **3.00 Units**

In this elementary course, the students learn Earth's internal and external forces and the features that these forces create. Students study minerals, rocks, volcanoes, earthquakes, mountain building, plate tectonics, tsunamis, global warming, natural resources, and alternative energy resources. Students will also learn basic scientific principles, the process of the scientific method, map reading and geographic literacy.

1696 8:00am - 11:10am SAT AH/T E308

1697 8:00am - 2:50pm F AH/T E312

(7 Week Class - Starts 10/27/2014, Ends 12/21/2014)

HEALTH

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

HEALTH 006 NUTRITION FOR HEALTHFUL LIVING AND FITNESS ACTIVITIES (UC:CSU) **3.00 Units**

Basic nutrition theories, information for healthful food purchasing, and relationship of nutrition to disease. Benefits of exercise and techniques for body conditioning are learned. Class time includes participation in fitness activities including aerobic, developmental and flexibility exercises.

3806 4:30pm - 6:35pm W OH/ F216
& lab 6:35pm - 8:40pm W WH/ J212

HEALTH 008 WOMEN'S PERSONAL HEALTH (UC:CSU) **3.00 Units**

A study of factors affecting physical, social and emotional well-being of women in our society.

1321 11:45am - 1:10pm TTh OH/ F215

1322 1:20pm - 2:45pm TTh OH/ F215

HEALTH 011 PRINCIPLES OF HEALTHFUL LIVING (UC:CSU) **3.00 Units**

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.

1324 7:00am - 8:25am MW OH/ F215

1325 8:35am - 10:00am MW OH/ F215

FALL 2014 Class Schedule

1326	10:10am - 11:35am	MW	OH/ F216
1327	11:45am - 1:10pm	MW	OH/ F216
1328	1:20pm - 2:45pm	MW	OH/ F215
1329	7:00am - 8:25am	TTh	OH/ F215
1330	8:35am - 10:00am	TTh	OH/ F215
1331	10:10am - 11:35am	TTh	OH/ F216
1332	11:45am - 1:10pm	TTh	OH/ F216
1335	3:00pm - 4:25pm	MW	OH/ F215
1337	3:00pm - 4:25pm	TTh	OH/ F215
3802	6:00pm - 9:10pm	M	OH/ F215

Health 11 is also offered through ITV. Please see schedule ad on page 58

HEALTH 102 3.00 Units SAFETY EDUCATION AND FIRST AID (UC:CSU)

This course involves the theory and detailed demonstration of the first aid care of the injured. The student will learn to assess a victim's condition and incorporate proper treatment. Standard first aid, CPR, and AED certification(s) will be granted upon successful completion of requirements.

1339	10:10am - 11:35am	MW	OH/ F215
3803	6:00pm - 9:10pm	T	OH/ F215

HEALTH 021 3.00 Units HUMAN SEXUALITY (UC:CSU)

This course provides a comprehensive introduction to the cultural, behavioral, biological and psychosocial aspects of human sexuality. Topics presented include acquired immune deficiency syndrome and other sexually transmitted diseases, as well as sexual variance and dysfunction, and sexuality throughout the human life cycle.

1338	11:45am - 1:20pm	MW	J.E. BUDINGER	OH/ F215
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HISTORY

Chair: Alicia Rodriguez-Estrada,
Aspen Hall - AH/TE-516, (213) 763-3938

HISTORY 011 3.00 Units POLITICAL AND SOCIAL HISTORY OF THE UNITED STATES I (UC:CSU)

Advisory: English 28.

This course will examine the historical development of the United States of America from 1492 to the close of the Civil War. Emphasis is placed on the relationship of regions, the role of major ethnic and social groups, the continuity of the American experience, and its derivation from other cultures, politics, economics, social movements, and its geography.

1010	8:35am - 10:00am	MW	AH/T E313
1011	8:35am - 10:00am	MW	AH/T E301
1012	10:10am - 11:35am	MW	AH/T E301
1013	11:45am - 1:10pm	MW	AH/T E301
1014	8:35am - 10:00am	TTh	AH/T E301
1015	11:45am - 1:10pm	TTh	AH/T E313
1016	1:20pm - 2:55pm	TTh	AH/T E313
3611	6:00pm - 9:10pm	T	AH/T E313
3612	6:00pm - 9:10pm	W	AH/T E313
7978	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, or see the "Online Class" section of this schedule for more information.

History 11 is also offered through ITV. Please see schedule ad on page ?

HISTORY 011H 3.00 Units POLITICAL AND SOCIAL HISTORY OF THE UNITED STATES I (UC:CSU)

Advisory: English 28.

This course will examine the historical development of the United States of America from 1492 to the close of the Civil War. Emphasis is placed on the relationship of regions, the role of major ethnic and social groups, the

continuity of the American experience, and its derivation from other cultures, politics, economics, social movements, and its geography. Students must be admitted into the Honors Program. See instructor and Honors Program Transfer Counselor for information. The LATTC Honors Program is designed to encourage the development of talent and ability in highly motivated students as they begin their academic studies and prepare to transfer to a four-year college or university.

1151	8:35am - 10:00am	MW	AH/T E313
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HISTORY 012 3.00 Units POLITICAL AND SOCIAL HISTORY OF THE UNITED STATES II (UC:CSU)

Advisory: English 28.

This course will examine the historical development of the United States of America from the close of the Civil War to the present. Emphasis is placed on the role of the major ethnic and social groups, the continuity of the American experience, and its derivation from other cultures, politics, economics, social movements, and its geography.

1017	11:45am - 1:10pm	MW	AH/T E313
1018	8:35am - 10:00am	TTh	AH/T E313
1019	11:45am - 1:10pm	TTh	AH/T E301
3613	6:00pm - 9:10pm	Th	AH/T E313
7852	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, or see the "Online Class" section of this schedule for more information.

History 12 is also offered through ITV. Please see schedule ad on page 58

HISTORY 012H 3.00 Units POLITICAL AND SOCIAL HISTORY OF THE UNITED STATES II (UC:CSU)

Advisory: English 28;

This course will examine the historical development of the United States of America from the close of the Civil War to the present. Emphasis is placed on the role of the major ethnic and social groups, the continuity of the American experience, and its derivation from other cultures, politics, economics, social movements, and its geography. Student must admitted into Honors program. See instructor or Honors Program Transfer Counselor for more information. The LATTC Honors Program is designed to encourage the development of talent and ability in highly motivate students as they begin their academic studies and prepare to transfer to a four-year college or university.

1152	11:45am - 1:10pm	MW	AH/T E313
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HISTORY 041 3.00 Units THE AFRICAN AMERICAN IN THE HISTORY OF THE U.S. I (UC:CSU)

Advisory: English 28.

This course will examine the historical development of the African American from precolonial Africa through the Civil War. This course will examine the political, social, economic and intellectual development of the United States, as well as the State and local government and constitution of the U.S.

1022	10:10am - 11:35am	TTh	AH/T E301
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HISTORY 086 3.00 Units INTRODUCTION TO WORLD CIVILIZATION I (UC:CSU)

Advisory: English 28.

Introductory survey of World Civilization to 1500. This course will examine and compare the social, economic, and political formations of various societies and world cultures. Major topics will include religion, philosophy, technology, and migration and settlement patterns.

1027	10:10am - 11:35am	MW	AH/T E313
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FALL 2014 Class Schedule

HUMANITIES

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

HUMANITIES 001 3.00 Units CULTURAL PATTERNS OF WESTERN CIVILIZATION (UC:CSU)

Prerequisite: English 28.

This course is an introduction to the general concepts of the humanities. Music, painting, sculpture and architecture are studied and compared in relation to their background, medium, organization and style. Included is a survey of the most productive periods of Western history, from classical Greek through the Medieval period. Stress is placed on awareness of difference in cultural heritage, values and perspective as revealed in the arts.

1449	2:40pm - 5:50pm	T	AH/T E206
1450	8:35am - 10:00am	TTh	MH 308
1451	9:00am - 12:10pm	SAT	AH/T E206
3851	6:00pm - 9:10pm	T	AH/T E206
3852	6:00pm - 9:10pm	Th	AH/T E215

HUMANITIES 002 3.00 Units STUDIES IN SELECTED CULTURES (UC:CSU)

Prerequisite: English 28.

Students study in-depth the social, political, economic and cultural features of a particular culture or set of related cultures. Customs, traditions, values, historical events and trends, religious traditions, pop cultural practices, achievements and trends in the arts and the sciences of the cultures studied are also examined. Western, Eastern, Mid-Eastern, African and other cultures and societies both past and present may be studied.

1452	10:10am - 11:35am	TTh	MH 308
3853	6:00pm - 9:10pm	W	AH/T E206
3854	6:00pm - 9:10pm	M	AH/T E215

KINESIOLOGY

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

KINESIOLOGY 300-1 1.00 Unit SWIMMING NON-SWIMMER - 1 (CSU)

This course will enhance the skills of the students in floating, kicking and swimming the crawl and backstroke.

2701	8:35am - 8:50am	MW	POOL
& lab	8:50am - 10:00am	MW	POOL
2703	11:45am - 12:00pm	MW	POOL
& lab	12:00pm - 1:10pm	MW	POOL
2705	10:10am - 10:25am	TTh	POOL
& lab	10:25am - 11:35am	TTh	POOL
2707	11:45am - 12:00pm	TTh	POOL
& lab	12:00pm - 1:10pm	TTh	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.

2702 lab	8:35am - 9:45am	MW	POOL
& lec	9:45am - 10:00am	MW	POOL
2704 lab	11:45am - 12:55pm	MW	POOL
&	12:55pm - 1:10pm	MW	POOL
2706 lab	10:10am - 10:25am	TTh	POOL
&	10:25am - 11:35am	TTh	POOL
2708 lab	11:45am - 12:55pm	TTh	POOL
&	12:55pm - 1:10pm	TTh	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.

2709	10:10am - 10:25am	MW	POOL
& lab	10:25am - 11:35am	MW	POOL
2711	9:00am - 9:30am	SAT	POOL
& lab	9:30am - 12:05pm	SAT	POOL
2721	9:00am - 9:30am	F	POOL
& lab	9:30am - 12:05pm	F	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.

2710 lab	10:10am - 10:25am	MW	POOL
&	10:25am - 11:35am	MW	POOL
2712 lab	9:00am - 11:30am	SAT	POOL
&	11:30am - 12:05pm	SAT	POOL
2722 lab	9:00am - 11:30am	F	POOL
&	11:30am - 12:00pm	F	POOL

KINESIOLOGY 303-1 1.00 Unit AQUA AEROBICS - 1 (CSU)

INSTRUCTION AND PRACTICE IN DEEP WATER EXERCISE TO INCREASE KNOWLEDGE AND LEVELS OF CARDIOVASCULAR FITNESS, MUSCULAR STRENGTH AND ENDURANCE, AND FLEXIBILITY. NO SWIMMING SKILLS REQUIRED.

2713	1:20pm - 1:35pm	TTh	POOL
& lab	1:35pm - 2:45pm	TTh	POOL

KINESIOLOGY 303-2 1.00 Unit AQUA AEROBICS - 2 (CSU)

Prerequisite: KIN 303-1

INSTRUCTION AND PRACTICE IN DEEP WATER EXERCISE TO INCREASE KNOWLEDGE AND LEVELS OF CARDIOVASCULAR FITNESS, MUSCULAR STRENGTH AND ENDURANCE, AND FLEXIBILITY. NO SWIMMING SKILLS REQUIRED. THIS COURSE BUILDS UPON KNOWLEDGE ACQUIRED IN KIN 303-1.

2714	1:20pm - 2:30pm	TTh	POOL
& lab	2:30pm - 2:45pm	TTh	POOL

KINESIOLOGY 307 1.00 Unit SWIM AND RUN (UC:CSU)

2715 lab	11:45am - 12:00pm	TTh	POOL
& lab	12:00pm - 1:10pm	TTh	POOL

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.

2716	11:45am - 12:55pm	TTh	POOL
& lab	12:55pm - 1:10pm	TTh	M.A. WAGENBACH POOL

FALL 2014 Class Schedule

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.

2201	7:00am - 7:15am	MW	CH/K BASE
& lab	7:15am - 8:25am	MW	CH/K BASE
2203	8:35am - 8:50am	MW	CH/K BASE
& lab	8:50am - 10:00am	MW	CH/K BASE
2205	10:10am - 10:25am	MW	CH/K BASE
& lab	10:25am - 11:35am	MW	CH/K BASE
2207	11:45am - 12:00pm	MW	CH/K BASE
& lab	12:00pm - 1:10pm	MW	CH/K BASE
2209	1:20pm - 1:35pm	MW	CH/K BASE
& lab	1:35pm - 2:45pm	MW	CH/K BASE
2211	6:00pm - 6:15pm	MW	CH/K BASE
& lab	6:15pm - 7:25pm	MW	CH/K BASE
2213	7:00am - 7:15am	TTh	CH/K BASE
& lab	7:15am - 8:25am	TTh	CH/K BASE
2215	8:35am - 8:50am	TTh	CH/K BASE
& lab	8:50am - 10:00am	TTh	CH/K BASE
2217	10:10am - 10:25am	TTh	CH/K BASE
& lab	10:25am - 11:35am	TTh	CH/K BASE
2219	11:45am - 12:00pm	TTh	CH/K BASE
& lab	12:00pm - 1:10pm	TTh	CH/K BASE
2221	1:20pm - 1:35pm	TTh	CH/K BASE
& lab	1:35pm - 2:45pm	TTh	CH/K BASE
2223	6:00pm - 6:15pm	TTh	CH/K BASE
& lab	6:15pm - 7:25pm	TTh	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.

2202 lab	7:00am - 8:10am	MW	CH/K BASE
&	8:10am - 8:25am	MW	CH/K BASE
2204 lab	8:35am - 8:45am	MW	CH/K BASE
&	8:45am - 10:00am	MW	CH/K BASE
2206	10:10am - 11:20am	MW	CH/K BASE
&	11:20am - 11:35am	MW	CH/K BASE
2208 lab	11:45am - 12:55pm	MW	CH/K BASE
&	12:55pm - 1:10pm	MW	CH/K BASE
2210 lab	1:20pm - 2:30pm	MW	CH/K BASE
&	2:30pm - 2:45pm	MW	CH/K BASE
2212 lab	6:00pm - 7:10pm	MW	CH/K BASE
&	7:10pm - 7:25pm	MW	CH/K BASE
2214 lab	7:00am - 8:10am	TTh	CH/K BASE
&	8:10am - 8:25am	TTh	CH/K BASE
2216 lab	8:35am - 8:45am	MW	CH/K BASE
&	8:45am - 10:00am	MW	CH/K BASE
2218 lab	10:10am - 11:20am	TTh	CH/K BASE
&	11:20am - 11:35am	TTh	CH/K BASE
2220 lab	11:45am - 12:55pm	TTh	CH/K BASE
&	12:55pm - 1:10pm	TTh	CH/K BASE
2222 lab	1:20pm - 2:30pm	TTh	CH/K BASE
&	2:30pm - 2:45pm	TTh	CH/K BASE
2224 lab	6:00pm - 7:10pm	TTh	CH/K BASE
&	7:10pm - 7:25pm	TTh	CH/K BASE

KINESIOLOGY 330-1

1.00 Unit

CARDIO KICKBOXING -1 (CSU)

This is the first level of a non-contact activity course designed to use basic kicking and punching techniques to improve overall fitness including: cardiorespiratory endurance, muscular strength and endurance, flexibility, and body composition.

2225	11:45am - 12:00pm	TTh	LG/ G100
& lab	12:00pm - 1:10pm	TTh	LG/ G100

KINESIOLOGY 330-2

1.00 Unit

CARDIO KICKBOXING-2 (CSU)

This is the second level of a non-contact activity course designed to build on basic kicking and punching techniques from Cardio Kickboxing-1. New techniques and combinations will be added to improve overall fitness including: cardiorespiratory endurance, muscular strength and endurance, flexibility, and body composition.

2226 lab	11:45am - 12:55pm	TTh	LG/ G100
&	12:55pm - 1:10pm	TTh	LG/ G100

KINESIOLOGY 334-1

1.00 Unit

WALKING FOR FITNESS- 1 (CSU)

Walking for Fitness level 1 focuses on achieving cardiovascular fitness, building upon level 1 workouts and enhancing a healthy lifestyle through walking. Includes such topics as fitness walking training principles overload and specificity, proper nutrition, differences of aerobic versus anaerobic workouts, Target Heart Rate, proper technique, shoe selection, posture, gait, flexibility, clothing, and safety limitations. This course will assess fitness levels and identify the physical health benefits from walking.

2227	10:10am - 10:25am	MW	LG/ G100
& lab	10:25am - 11:35am	MW	LG/ G100
2229	10:10am - 10:25am	TTh	LG/ G100
& lab	10:25am - 11:35am	TTh	LG/ G100

KINESIOLOGY 350-1

1.00 Unit

WEIGHT TRAINING-1 (CSU)

2231	9:00am - 9:30am	SAT	CH/K BASE
& lab	9:30am - 12:05pm	SAT	CH/K BASE

KINESIOLOGY ATHLETICS

Chair: Dimitri Lagos,

Willow Hall, WH/J-202, (213) 763- 3728

KINESIOLOGY ATHLETICS 504

3.00 Units

INTERCOLLEGIATE ATHLETICS-BASKETBALL (UC:CSU) (RPT 3)

Fundamental, intermediate and advance principles/theories and skills of Basketball. Instruction, demonstration and practice of basic basketball skills, include passing, dribbling, shooting, rebounding, individual and team offense/defense and basketball intercollegiate competition.

2906 lab	3:00pm - 5:20pm	MTWThF	LG/ G100
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KINESIOLOGY ATHLETICS 506

3.00 Units

INTERCOLLEGIATE ATHLETICS-CROSS COUNTRY (UC:CSU) (RPT 3)

This course concentrates on the theory, technique and practice of intercollegiate competition associated with running Cross Country. Conditioning and preparing for competition in regularly scheduled meets are integral parts of the daily class meetings. This course is designed to develop an understanding of advanced theory and technique of intercollegiate Cross Country competition.

2513 lab	5:50am - 8:10am	MTWThF	WH/ JFLD
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KINESIOLOGY ATHLETICS 516

3.00 Units

INTERCOLLEGIATE ATHLETICS-VOLLEYBALL (UC:CSU) (RPT 3)

This course provides the skills, training and allows for participation in the intercollegiate volleyball team. Students who take this class must meet eligibility requirements as requested by the conference and/or CCCAA.

2516 lab	3:00pm - 5:20pm	MTWThF	LG/ G100
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FALL 2014 Class Schedule

KINESIOLOGY ATHLETICS 517 **3.00 Units**
INTERCOLLEGIATE ATHLETICS-WATER POLO (UC:CSU) (RPT 3)
Intercollegiate Athletic competitive Water Polo team course. Fundamental and advanced principles/theories of water polo techniques. Instruction, demonstration and practice of swimming, eggbeater, offense, defense, counter attack, man up and man down situations.
2511 lab 5:50am - 8:10am MTWThF POOL

KINESIOLOGY MAJOR

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

KINESIOLOGY MAJOR 100 **3.00 Units**
INTRODUCTION TO KINESIOLOGY (UC:CSU)

Introduction to the discipline of Kinesiology/Physical Education; examination of the study of physical activity from the perspectives of experience, research, and professional practice. Topics include career opportunities, history, philosophy, current trends and curriculum development.

2101 10:10am - 11:35am TTh OH/ F215
7905 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, or see the "Online Class" section of this schedule for more information.

KINESIOLOGY MAJOR 101 **3.00 Units**
FIRST AID AND CPR (CSU)

This course covers and expands standard emergency first aid to include situations where help is delayed, during natural disasters and major catastrophes. This course also covers the recommendations by the American Heart Association, National Safety Council and the American National Red Cross for community members to respond to non-breathing and sudden cardiac emergencies. Includes techniques for all ages along with emergency action plans, safety, and prevention of disease transmission.

2102 8:35am - 10:00am TTh OH/ F216

KINESIOLOGY MAJOR 106 **3.00 Units**
SPORTS ETHICS (CSU)

This course addresses a wide range of moral and ethical issues in sports. Topics include values, principles, racial and gender equity, coaching, commercialization, enhancing stimulants and ergogenic aids, eligibility, violence, sportsmanship and Code of Ethics in sports. Examines current and historical events, rules, laws and governing organizations.

7915 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, or see the "Online Class" section of this schedule for more information.

KINESIOLOGY MAJOR 108 **3.00 Units**
ANCIENT OLYMPIC GAMES

This course addresses a wide range of topics that are specific to the field of the Ancient Olympic Games. Topics include Prehistory of the Games, Athletics and Education, The Olympic Games in Ancient Greece, The Events, Sport in the Hellenistic and Roman Periods. The course will examine the historical and continuing effect of the Ancient Games on the present day Olympic movement.

7907 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, or see the "Online Class" section of this schedule for more information.

LABOR STUDIES

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

LABOR STUDIES 001 **3.00 Units**
US LABOR HISTORY (CSU)

This course covers the often untold story of workers' struggle to improve their lives through union organizing and collective bargaining, ranging from early craft unions, the bloody battles to form industrial unions, and the rise of labor federations and public sector unions.

3252 6:00pm - 9:10pm W NALC 24
NALC Branch 24, 774 Valencia St., Los Angeles, CA 90017. Contact:
Labor Center (213) 763-7129

LABOR STUDIES 002 **3.00 Units**
COLLECTIVE BARGAINING (CSU)

This course examines the dynamics of collective bargaining including: preparation of demands and negotiation strategies, offers and counter-offers, major bargaining trends, contract campaigns, and 'mock' bargaining.

3256 6:00pm - 9:10pm T HBI
Harry Bridges Institute, 350 W. 5th St., Room 209, San Pedro, CA 90731.
Contact: Labor Center (213) 763-7129

LABOR STUDIES 003 **3.00 Units**
LABOR RELATIONS LAW (CSU)

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.

0445 8:30am - 5:20pm SatSun AH/T E221
(3 Week Class - Starts 11/22/2014, Ends 12/14/2014)

Actual class dates: 11/22/14 & 11/23/14, 12/6/14, 12/7/14, 12/13/14 & 12/14/14.

3253 6:00pm - 9:10pm W IBEW 11
IBEW LOCAL 11, 297 N. MARENGO AVE., PASADENA, CA 91101.
Contact Labor Center, 213-763-7129.

LABOR STUDIES 004 **3.00 Units**
LABOR IN AMERICA (UC:CSU)

Examines how labor organizations and labor laws impact workers, families and American society focusing on worksite-related issues such as job security, income, workers' rights, immigration and role of unions.

0430 10:10am - 11:35am TTh AH/T E111

LABOR STUDIES 005 **3.00 Units**
GRIEVANCE AND ARBITRATION PROCEDURES (CSU)

Students learn to identify, investigate, write and present grievances and arbitrations with emphasis on participant's own contract, grievance procedure and experiences.

3255 6:00pm - 9:10pm Th HEAD STAR

Foundtion Head Start

3360 Flair Drive, Ste. 100

El Monte, California 91731

Contact: Labor Center (213) 763-7129

7861 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, or see the "Online Class" section of this schedule for more information.

LABOR STUDIES 012 **3.00 Units**
BUILDING STRONG UNIONS (CSU)

This course examines how to manage and lead a union: including strategic planning and goal setting; effective communications; time management; team building; increasing member participation; leading organizational change.

3251 6:00pm - 9:10pm T UFCW 324

UFCW Local 324, 8530 Stanton Ave., Buena Prk, CA 90622. Contact:
Labor Center (213) 763-7129

FALL 2014 Class Schedule

LABOR STUDIES 013 3.00 Units
UNION LEADERSHIP (CSU)
This class covers basic leadership skills for building influence and advancing in a union. Includes public speaking, parliamentary procedure, strategic planning, staff development, motivating and mobilizing members.
3250 6:00pm - 9:10pm M TEAM 2010
TEAMSTERS LOCAL 2010
9900 Flower Street, Bellflower, California 90706
Contact Labor Studies (213) 763-7129

LABOR STUDIES 020 3.00 Units
WORKERS' RIGHTS (CSU)
Basic legal rights for workers, including: wage and hour laws, overtime, leaves, workplace privacy including e-mail and computers, accommodating disabilities, including pregnancy, and combating sexual harassment and employment discrimination.
7862 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, or see the "Online Class" section of this schedule for more information.

LABOR STUDIES 021 3.00 Units
THE WORKING CLASS AND CINEMA (UC:CSU)
This course will examine feature film portrayals of the working class and labor unions. Students will learn to evaluate how popular culture dramatizes the struggle for workers rights and analyze how the movies have shaped public perception and values.
3254 6:00pm - 9:10pm W AH/T E111
7860 3:25 hrs/wk TBA ON LINE
(8 Week Class - Starts 10/27/2014, Ends 12/21/2014)
Please visit the online program homepage at <http://moodle.lattc.edu> prior to the start of class for directions, or see the "Online Class" section of this schedule for more information.

LABOR STUDIES 101 1.00 Unit
INTRODUCTION TO UNIONS (CSU)
Overview of union impact on wages, benefits, working conditions and public policies by industry. Surveys basic union structures, operation and governance.
0437 2:20pm - 5:35pm W TBA 1
(5 Week Class - Starts 10/22/2014, Ends 11/19/2014)
0438 2:20pm - 5:45pm Th TBA 1
(5 Week Class - Starts 10/23/2014, Ends 11/20/2014)

LABOR STUDIES 102 1.00 Unit
CONTRACT NEGOTIATIONS SKILLS (CSU)
This course covers the basics of union contract negotiations, including preparation of demands, negotiations strategies and tactics, contract language, and major bargaining trends.
0442 8:30am - 5:20pm SAT AH/T E221
(2 Week Class - Starts 10/11/2014, Ends 10/18/2014)

LABOR STUDIES 104 1.00 Unit
CURRENT ISSUES FOR LABOR (CSU)
This course explores challenges facing the American Labor Movement, including strategies and programs to address them.
0435 9:00am - 1:30pm SAT LA CFL
(10 Week Class - Starts 9/20/2014, Ends 11/22/2014)
Actual class dates: 9/20/14, 10/11/14, 11/1/14 & 11/22/14.
Los Angeles County Federation of Labor, 2130 West. James M. Wood Blvd., Los Angeles, CA 90006
Contact: Labor Center (213) 763-7129

LABOR STUDIES 105 1.00 Unit
GRIEVANCE HANDLING SKILLS (CSU)
The student will investigate, write and present union grievances.
0441 8:30am - 5:20pm Sat Sun AH/T E221
(1 Week Class - Starts 9/20/2014, Ends 9/21/2014)

LABOR STUDIES 106 1.00 Unit
LABOR AND DISASTER RELIEF (CSU)
Training labor representatives to respond to disasters, emergencies, acts of terrorism or union/employer economic actions through utilizing appropriate community, public and private resources and agencies.
0444 8:30am - 5:20pm SAT AH/T E221
(2 Week Class - Starts 11/8/2014, Ends 11/15/2014)

LABOR STUDIES 113 1.00 Unit
UNION LEADERSHIP SKILLS (CSU)
Basic leadership skills for building influence and advancing in your union. Includes public speaking, parliamentary procedure, running effective meetings, communications and dealing with difficult people.
0440 8:30am - 5:20pm SAT T. CONROW AH/T E221
(2 Week Class - Starts 9/6/2014, Ends 9/13/2014)

LABOR STUDIES 114 1.00 Unit
WORKER'S LEGAL RIGHTS (CSU)
Basic workers' rights such as privacy, leaves, wage and hour laws, accommodating disabilities, including pregnancy and protections against wrongful discharge, etc.
0443 8:30am - 5:20pm SAT AH/T E221
(2 Week Class - Starts 10/25/2014, Ends 11/1/2014)

LAW

Chair: Paulette Bailey,
Cedar Hall - CH/K-225, (213) 763-7269

LAW 038 3.00 Units
CRIMINAL LAW & PROCEDURE
This course will introduce the student to Criminal Law and Criminal Procedure. The student will learn the elements of a crime that must be proven as to the allegations of the commission of that particular crime. The student will learn the regulatory procedures, both federal and state, that must be followed in order to realize criminal culpability. The student will also examine the roles of the parties to a criminal action.
0220 lec 10:10am - 11:35am MW STAFF CH/ K324

LEARNING SKILLS

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

LEARNING SKILLS 068 1.00 Unit
STUDY SKILLS (NDA)
This course helps students develop basic study skills needed for college success. Study skills covered include but are not limited to: time management, organization skills, vocabulary building, reading, note taking, and listening strategies.
0372 lab 12:30pm - 1:30pm MTWTh CY/ D200
& lab 1:30pm - 2:30pm MTWTh CY/ D200
(4 Week Class - Starts 9/29/2014, Ends 10/24/2014)
0373 lab 12:30pm - 1:30pm MTWTh CY/ D200
& lab 1:30pm - 2:30pm MTWTh CY/ D200
(8 Week Class - Starts 9/1/2014, Ends 10/24/2014)
0374 12:30pm - 1:30pm MTWTh CY/ D200
& lab 1:30pm - 2:30pm MTWTh CY/ D200
(8 Week Class - Starts 9/1/2014, Ends 10/24/2014)
0375 12:30pm - 1:30pm MTWTh CY/ D200
& lab 1:30pm - 2:30pm MTWTh CY/ D200
(8 Week Class - Starts 9/1/2014, Ends 10/24/2014)

FALL 2014 Class Schedule

LEARNING SKILLS LAB

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

LEARNING SKILLS LAB 001B 1.00 Unit READING (NDA) (RPT 2)

This course is an intermediate reading course which focuses on developing reading comprehension, analysis, and interpretation skills. Students develop strategies that assist them in understanding and responding to intermediate level reading material. Students will learn reading skills including: inferencing, predicting outcome, drawing conclusions, comparing and contrasting, recognizing cause and effect, and paraphrasing. This course is the second in a sequence of three progressive modules and prepares students for academic and vocational success.

0350 lab	8:00am - 9:40am	MTWTh	MA 108A
(8 Week Class - Starts 9/1/2014, Ends 10/24/2014)			
0351 lab	10:00am - 11:40am	MTWTh	MA 108A
(8 Week Class - Starts 9/1/2014, Ends 10/24/2014)			
0369 lab	8:00am - 9:40am	MTWTh	MA 109A
(8 Week Class - Starts 10/27/2014, Ends 12/21/2014)			
0370 lab	8:00am - 9:40am	MTWTh	MA 109A
(8 Week Class - Starts 10/27/2014, Ends 12/21/2014)			
0380 lab	8:00am - 9:40am	MTWTh	MA 109A
(8 Week Class - Starts 9/1/2014, Ends 10/24/2014)			
0381 lab	10:00am - 11:40am	MTWTh	CY/ D204
(8 Week Class - Starts 9/1/2014, Ends 10/24/2014)			

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.

0371 lab	1:00pm - 2:40pm	MTWTh	MA 109N
(8 Week Class - Starts 10/27/2014, Ends 12/21/2014)			

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.

0353 lab	8:00am - 9:40am	MTWTh	MA 109A
(8 Week Class - Starts 9/1/2014, Ends 10/24/2014)			
0354 lab	10:00am - 11:40am	MTWTh	MA 109N
(8 Week Class - Starts 9/1/2014, Ends 10/24/2014)			
0355 lab	1:00pm - 2:40pm	MTWTh	MA 109N
(8 Week Class - Starts 9/1/2014, Ends 10/24/2014)			
0358 lab	10:00am - 11:40am	MTWTh	MA 109N
(8 Week Class - Starts 10/27/2014, Ends 12/21/2014)			
0359 lab	1:00pm - 2:40pm	MTWTh	MA 109A
(8 Week Class - Starts 10/27/2014, Ends 12/21/2014)			
0376 lab	8:00am - 9:40am	MTWTh	MA 109A
(8 Week Class - Starts 9/1/2014, Ends 10/24/2014)			
0377 lab	10:00am - 11:40am	MTWTh	MA 109N
(8 Week Class - Starts 9/1/2014, Ends 10/24/2014)			
0379 lab	1:00pm - 2:40pm	MTWTh	MA 109N
(8 Week Class - Starts 9/1/2014, Ends 10/24/2014)			
0382 lab	8:00am - 9:40am	MTWTh	MA 109A
(8 Week Class - Starts 10/27/2014, Ends 12/21/2014)			
1280 lab	6:00pm - 7:40pm	MTWTh	MA 108B

(8 Week Class - Starts 9/1/2014, Ends 10/24/2014)		
1281 lab	6:00pm - 7:40pm	MTWTh
(8 Week Class - Starts 9/1/2014, Ends 10/24/2014)		
		MA 109A

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

This course focuses on the fundamentals of academic writing. It reinforces basic skills such as the correct use of punctuation, spelling, and writing simple, compound, and complex sentence structures. Students incorporate these skills to develop and write paragraph responses that have a topic sentences, supporting details, and conclusions. Students are also introduced to Basic MLA formatting and work on Moodle activities and assignments.

0356 lab	10:00am - 11:40am	MTWTh	MA 109N
(8 Week Class - Starts 9/1/2014, Ends 10/24/2014)			
0357 lab	1:00pm - 2:40pm	MTWTh	MA 109A
(8 Week Class - Starts 9/1/2014, Ends 10/24/2014)			
0368 lab	10:00am - 11:40am	MTWTh	MA 108C
(8 Week Class - Starts 10/27/2014, Ends 12/21/2014)			
0378 lab	1:00pm - 2:30pm	MTWTh	MA 108C
(8 Week Class - Starts 10/27/2014, Ends 12/21/2014)			
0390 lab	10:00am - 11:40am	MTWTh	MA 109A
(8 Week Class - Starts 9/1/2014, Ends 10/24/2014)			
0391 lab	1:00pm - 2:40pm	MTWTh	MA 109A
(8 Week Class - Starts 9/1/2014, Ends 10/24/2014)			
0398 lab	1:00pm - 2:40pm	MTWTh	MA 109A
(8 Week Class - Starts 10/27/2014, Ends 12/21/2014)			
0399 lab	1:00pm - 2:40pm	MTWTh	MA 109A
(8 Week Class - Starts 10/27/2014, Ends 12/21/2014)			

LEARNING SKILLS LAB 010B 1.00 Unit MATH FUNDAMENTALS B (NDA)

This is a lab course which focuses on the skills needed to prepare students for academic and vocational success by teaching the ability to compute, understand, and apply the relationship between fractions, decimals, ratios, and percentages. Students will add, subtract, multiply, and divide related problems and utilize effective learning strategies in order to find solutions to word problems and real world situations. This course is the second in a series of three progressive Learning Skills courses offering basic math to advanced math curriculum. This class provides individualized and computer-assisted instruction.

0360 lab	10:00am - 11:40am	MTWTh	MA 109B
(8 Week Class - Starts 9/1/2014, Ends 10/24/2014)			
0361 lab	2:45pm - 4:25pm	MTWTh	MA 109A
(8 Week Class - Starts 9/1/2014, Ends 10/24/2014)			
0362 lab	10:00am - 11:40am	MTWTh	MA 109B
0363 lab	2:45pm - 4:25pm	MTWTh	MA 109B
0364 lab	1:00pm - 2:45pm	MTWTh	MA 109B
0367 lab	9:45am - 11:00am	MTWTh	MA 109A
(8 Week Class - Starts 9/1/2014, Ends 10/24/2014)			
0392 lab	10:00am - 11:40am	MTWTh	MA 109B
(8 Week Class - Starts 9/1/2014, Ends 10/24/2014)			
0393 lab	2:45pm - 4:25pm	MTWTh	MA 109B
(8 Week Class - Starts 9/1/2014, Ends 10/24/2014)			
0400 lab	10:00am - 11:40am	MTWTh	MA 109A
(8 Week Class - Starts 10/27/2014, Ends 12/21/2014)			
0401 lab	2:45pm - 4:25pm	MTWTh	MA 109A
(8 Week Class - Starts 10/27/2014, Ends 12/21/2014)			
0402 lab	1:00pm - 2:40pm	MTWTh	MA 109B
(8 Week Class - Starts 10/27/2014, Ends 12/21/2014)			
0405 lab	1:00pm - 2:40pm	MTWTh	MA 109B
(8 Week Class - Starts 9/1/2014, Ends 10/24/2014)			
1282 lab	6:00pm - 7:40pm	MTWTh	MA 109A
1283 lab	6:00pm - 7:50pm	MTWTh	MA 109A
(8 Week Class - Starts 9/1/2014, Ends 10/24/2014)			

FALL 2014 Class Schedule

LEARNING SKILLS LAB 010C 1.00 Unit
MATH FUNDAMENTAL C (NDA)

This basic math fundamental course focuses on the learning skills needed to succeed in pre-algebra up to beginning algebra, and is designed to help students develop symbolic reasoning and calculations with symbols that are central in algebra and geometry. This class provides individualized and computer-assisted instruction. The course is repeatable up to three times to enhance skills and proficiencies. This course is the third in a sequence of three progressive modules and prepares students for academic and vocational success.

0394 lab 8:00am - 9:40am MTWTh MA 109N
(8 Week Class - Starts 9/1/2014, Ends 10/24/2014)
0395 lab 3:45pm - 5:25pm MTWTh MA 109B
(8 Week Class - Starts 9/1/2014, Ends 10/24/2014)
0396 lab 8:00am - 9:40am MTWTh MA 109B
(8 Week Class - Starts 10/27/2014, Ends 12/21/2014)
0397 lab 3:45pm - 5:25pm MTWTh MA 109B
(8 Week Class - Starts 10/27/2014, Ends 12/21/2014)
0403 lab 8:00am - 9:40am MTWTh MA 109N
(8 Week Class - Starts 9/1/2014, Ends 10/24/2014)
0404 lab 8:00am - 9:40am MTWTh MA 109B
(8 Week Class - Starts 10/27/2014, Ends 12/21/2014)
1284 lab 3:45pm - 5:25pm MTWTh MA 109N
(8 Week Class - Starts 9/1/2014, Ends 10/24/2014)
1285 lab 3:45pm - 5:25pm MTWTh MA 109A
(8 Week Class - Starts 10/27/2014, Ends 12/21/2014)

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 10:10am - 11:15am M TBA 1

MACHINE SHOP - CNC

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

MACHINE SHOP - CNC 111 2.00 Units
PRINCIPLES OF MACHINE TOOLS I (CSU)

MSCNC 111 (Principles of Machine Tools I) is a course that will engage students with Machine Shop specific topics including; safety practices, hand tools, precision measuring tools, set-up and operation of band saws, drill presses, lathes, mills, pedestal grinders, power saws as well as computer numerical control (CNC) machine tools. Theoretical and manipulative exercises will challenge students' understanding of practical subject matter.

0600 7:00am - 8:25am Th OH/ F166
& lab 7:00am - 8:25am T OH/ F166

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.

0601 lab 7:00am - 10:10am MWF OH/ F152
0615 lab 6:00pm - 10:20pm TW OH/ F166

MACHINE SHOP - CNC 112B 1.00 Unit
TECHNOLOGY AND APPLICATION OF MACHINING (CAD) IB

MSCNC 112B (Technology and Application of Machining (CAD) IB) is a course that will engage students with Machine Shop specific topics related to computer aided design (CAD). Topics will include solid model creation, blueprint creation, dimensioning, product development and assembling individual parts into completed assemblies.

0603 lab 10:10am - 11:35am TTh OH/F 151A

MACHINE SHOP - CNC 114 3.00 Units
PRINT INTERPRETATION & SKETCHING (BLUEPRINT I) (CSU)

MSCNC 114 (Print Interpretation & Sketching (Blueprint I)) is a course that will engage students in Machine Shop topics that are related to blueprint reading, interpretation and sketching techniques. Mechanical drawings of multiple views, different drawing standards, dimensioning techniques, as well as sketching techniques for free hand drawings will also be covered.

0602 8:35am - 10:00am TTh OH/ F166

MACHINE SHOP - CNC 115 3.00 Units
BASIC APPLIED MATHEMATICAL CALCULATIONS (CSU)

MSCNC 115 (Basic Applied Mathematical Calculations) is a course that will engage students with machine shop specific topics related to calculations and calculator manipulation. Number theory, inch & metric calculations, algebra, ratios & proportions and fractions will all be covered in this course.

0604 10:10am - 11:35am MW OH/ F166

MACHINE SHOP - CNC 131A 2.00 Units
PRINCIPLES OF MACHINE TOOLS IIIA

MSCNC 131A (Principles of Machine Tools IIIA) is a course that will engage students with Machine Shop specific topics including; shop safety, engine lathe, milling machine, vertical milling machine, grinders as well as materials, inspection techniques and machining topics. Theoretical and manipulative exercises will challenge students' understanding of practical subject matter.

0610 lab 7:00am - 8:25am Th OH/F 166C
& 7:00am - 8:25am T OH/ F164

MACHINE SHOP - CNC 131B 3.00 Units
PRINCIPLES OF MACHINE TOOLS (CNC) IIIB

MSCNC 131B (Principles of Machine Tools (CNC) IIIB) is a course that will engage students with Machine Shop specific topics related to machine tool programming. Both numerical control (NC) and computer numerical control (CNC) machine tools must have 'part programs' written for them to perform their intended function and create parts that are correct in fit, form and function.

0611 10:10am - 11:35am TTh OH/F 164C

MACHINE SHOP - CNC 132A 3.00 Units
TECHNOLOGY AND APPLICATION OF MACHINING IIIA

MSCNC 132A (Technology and Application of Machining IIIA) is a course that will engage students with Machine Shop specific topics related to the set-up, operation, and/or programming of grinding machines, milling machines, engine lathes, CNC machining centers, CNC turning centers and EDM machines. Assigned projects will allow students to continue to build their skills on previously encountered machine tools as well as being introduced to new technologies, including unconventional machining techniques.

0612 lab 7:00am - 10:10am MWF OH/ F164

FALL 2014 Class Schedule

MACHINE SHOP - CNC 132B 1.00 Unit TECHNOLOGY AND APPLICATION OF MACHINING (CAM) IIIB

MSCNC 132B (Technology and Application of Machining (CAM) IIIB) is a course that will engage students with Machine Shop specific topics regarding computer aided manufacturing (CAM) computer programs. Students will create geometry, cutting tools, process information in order for the CAM program to create cutter paths that will create the correct fit, form and function on the part.

0613 lab 8:35am - 10:00am TTh OH/F 151A

MACHINE SHOP - CNC 135 3.00 Units ADVANCED APPLIED MATHEMATICAL CALCULATIONS (CSU)

MSCNC 135 (Advanced Applied Mathematical Calculations) is a course that will engage students with Machine Shop specific topics as they relate to trigonometric and compound angular calculations.

0614 10:10am - 11:35am MW OH/F 164C

MANAGEMENT

Chair: Paulette Bailey,
Cedar Hall - CH/K-225, (213) 763-7269

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.

0187 1:45pm - 3:10pm TTh CH/ K262

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.

0188 12:00pm - 1:25pm TTh CH/ K322

MARKETING

Chair: Paulette Bailey,
Cedar Hall - CH/K-225, (213) 763-7269

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 phases as developing the sales plan, securing prospects, effective goods and service presentation, product analysis, closing the sale, and service after the sale.

0189 10:10am - 11:35am 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.

3009 6:00pm - 9:10pm Th CH/ K321

MATHEMATICS

Chair: Margaret Murphy,
Aspen Hall - AH/TE-506, (213) 763-7320

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
4155	6:00pm - 9:10pm	Th	AH/T E408

MATHEMATICS 110 5.00 Units INTRODUCTION TO ALGEBRAIC CONCEPTS (NDA)

Prerequisite: By placement only.

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

MATHEMATICS 112 3.00 Units PRE-ALGEBRA (NDA)

Prerequisite: Mathematics 105.

This course prepares students for their first course in Algebra. Topics include brief review of arithmetic, operations with signed numbers, variables, expressions, linear equations and word problems.

1920	7:00am - 8:25am	TTh	AH/T E408
1922	8:35am - 10:00am	MW	AH/T E408
1924	10:10am - 11:35am	MW	AH/T E412
1926	10:10am - 11:35am	TTh	AH/T E415
1927	11:45am - 1:10pm	MW	AH/T E408
1928	8:35am - 10:00am	TTh	AH/T E412
1929	11:45am - 1:10pm	TTh	AH/T E408
4161	6:00pm - 9:10pm	Th	AH/T E412
4162	6:00pm - 9:10pm	M	AH/T E410
4163	6:00pm - 9:10pm	T	AH/T E415
4164	6:00pm - 9:10pm	W	AH/T E308
7917	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, or see the "Online Class" section of this schedule for more information.

MATHEMATICS 113 3.00 Units ELEMENTARY ALGEBRA A

Prerequisite: Mathematics 112

Topics include review of signed numbers, variables, the order of operations; addition and subtraction of polynomials; solve and graph linear equations, solve inequalities; solve systems of equations.

1932	10:10am - 11:35am	TTh	AH/T E410
1933	8:35am - 10:00am	TTh	AH/T E310
4170	6:00pm - 9:10pm	Th	AH/T E415

FALL 2014 Class Schedule

MATHEMATICS 114 ELEMENTARY ALGEBRA B

3.00 Units

Prerequisite: Mathematics 113

The course covers multiplication and division of polynomials, factoring, rational expressions, radicals, quadratic, rational, and radical equations, and application problems. This course is the second half of Math 115. Math 113 and 114 together are equivalent to Math 115. Credit is allowed in only one of Math 115 or the Math 113/114 combination. Concurrent enrollment in Math 113 and 114 is not permitted.

1936	10:10am - 11:35am	TTh	AH/T E306
1937	8:35am - 10:00am	TTh	AH/T E306
4176	6:00pm - 9:10pm	T	AH/T E412

MATHEMATICS 115 ELEMENTARY ALGEBRA

5.00 Units

Prerequisite: Mathematics 112

Topics include signed numbers, variables, the order of operations; addition, subtraction, multiplication, and division of signed numbers and polynomials. Solve linear equations, inequalities, factoring, graphs. Solve word problems, systems of equations, rational equations, radicals and quadratic equations.

1940	7:00am - 8:10am	MTWTh	AH/T E413
1941	7:00am - 8:10am	MTWTh	AH/T E410
1942	8:35am - 9:45am	MTWTh	AH/T E310
1945	10:10am - 11:20am	MTWTh	AH/T E310
1946	11:45am - 12:55pm	MTWTh	AH/T E412
1947	10:10am - 11:20am	MTWTh	AH/T E221

This is a paired class and must be taken with Math 125, section #1964, which meets MTWTh from 11:45 a.m. - 12:55 p.m. To add this class please contact the instructor, Parul Maheta-Wells at SHUKLAP@LATTC.EDU

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

1948	8:00am - 1:20pm	SAT	AH/T E306
1949	2:00pm - 4:35pm	MW	AH/T E306
1950	2:00pm - 4:35pm	TTh	AH/T E413
4180	6:00pm - 8:35pm	MW	AH/T E408
4181	6:00pm - 8:35pm	TTh	AH/T E413
6530	8:35am - 11:05am	MTWTh	AH/T E413

(8 Week Class - Starts 9/1/2014, Ends 10/23/2014)

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.

7920 5:25 hrs/wk TBA ON LINE

Please visit the online program homepage at <http://moodle.lattc.edu> prior to the start of class for directions, or see the "Online Class" section of this schedule for more information.

MATHEMATICS 121 ESSENTIALS OF PLANE GEOMETRY

3.00 Units

Prerequisite: Mathematics 115

This course is an introduction to Euclidean geometry and it is equivalent to one year of high school geometry. This course reviews the basic geometric construction, definitions, postulates, theorems and their proofs for triangles, parallel lines and circles.

1957	10:10am - 11:35am	MW	AH/T E410
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MATHEMATICS 125 INTERMEDIATE ALGEBRA

5.00 Units

Prerequisite: Mathematics 114 or Mathematics 115

This course is a study of the properties of real numbers, laws of exponents, radicals, equations & inequalities in linear and quadratic form, system of equations, matrices, graphing in two variables, rational expressions & equations, complex numbers, conic sections & their graphs, exponential and logarithmic functions.

1960	7:00am - 8:10am	MTWTh	AH/T E415
1961	8:35am - 9:45am	MTWTh	AH/T E415
1962	10:10am - 11:20am	MTWTh	AH/T E308
1963	11:45am - 12:55pm	MTWTh	AH/T E306

1964 11:45am - 12:55pm MTWTh AH/T E221
This is a paired class and must be taken with Math 115, section #1947, which meets MTWTh from 10:10 a.m. - 11:40 a.m. To add this class please contact the instructor, Parul Maheta-Wells at SHUKLAP@LATTC.EDU

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

1965	10:10am - 11:20am	MTWTh	AH/T E408
1966	4:00pm - 5:10pm	MTWTh	AH/T E310
1967	1:20pm - 2:45pm	MTWTh	AH/T E310

(8 Week Class - Starts 10/27/2014, Ends 12/19/2014)

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.

1968	8:35am - 9:45am	MTWTh	AH/T E410
4190	6:00pm - 8:35pm	MW	AH/T E310
4191	6:00pm - 8:35pm	TTh	AH/T E306
6532	8:35am - 11:05am	MTWTh	AH/T E413

(8 Week Class - Starts 10/27/2014, Ends 12/19/2014)

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.

7921 lab 5:25 hrs/wk TBA ON LINE
Please visit the online program homepage at <http://moodle.lattc.edu> prior to the start of class for directions, or see the "Online Class" section of this schedule for more information.

Math 125 is also offered through ITV. Please see schedule ad on page 58

MATHEMATICS 227 STATISTICS (UC:CSU)

4.00 Units

Prerequisite: Mathematics 125.

Discusses basic concepts and techniques of descriptive and inferential statistics including sampling, probability, statistical distributions, tables and graphs, central limit theory, hypothesis testing, confidence interval estimation, correlation and regression. Most analysis will be done using Excel spreadsheet program.

1978	11:30am - 1:40pm	MW	AH/T E413
1979	11:45am - 1:55pm	TTh	AH/T E415
4213	6:00pm - 8:10pm	MW	AH/T E413
4214	6:00pm - 8:10pm	TTh	AH/T E308
7922	4:15 hrs/wk	TBA	ON LINE

Please visit the online program homepage at <http://moodle.lattc.edu> prior to the start of class for directions, or see the "Online Class" section of this schedule for more information.

Math 227 is also offered through ITV. Please see schedule ad on page 58

MATHEMATICS 240 TRIGONOMETRY (CSU)

3.00 Units

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 Demoiivre's Theorem; polar coordinates; vectors and applications.

1982	7:00am - 8:25am	MW	AH/T E310
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FALL 2014 Class Schedule

MATHEMATICS 245 COLLEGE ALGEBRA (UC:CSU) 3.00 Units

Prerequisite: Mathematics 125.

Upon successful completion of this course, students will reinforce the concept of functions and their graphs important in later courses of mathematics, science, business, nursing, or computer science. Polynomial, rational, radical, exponential, and logarithmic equations, both linear and nonlinear systems, sequences and series, and basics of probability are covered to allow students to solve a wide variety of real-life applications.

1985	11:45am - 1:10pm	TTh	AH/T E413
1986	12:00pm - 3:10pm	F	AH/T E310

MATHEMATICS 260 PRECALCULUS (UC:CSU) 5.00 Units

Prerequisite: Mathematics 240.

After a brief review of algebra with real and complex numbers, this course will cover the following topics: polynomial and rational functions with informal limits; exponential, logarithmic and trigonometric functions; systems of equations and matrices; sequences, series and the binomial theorem; conics and polar coordinates.

1990	11:45am - 12:55pm	MTWTh	AH/T E308
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MATHEMATICS 265 CALCULUS WITH ANALYTIC GEOMETRY I (UC:CSU) 5.00 Units

Prerequisite: Mathematics 260.

Introduction to real analysis with analytic geometry; functions, limits and continuity; derivatives and integrals of algebraic and transcendental functions; applications of the derivative to graphing and optimization; the Fundamental Theorem of Calculus and applications of the definite integral.

1992	8:35am - 9:45am	MTWTh	AH/T E308
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MATHEMATICS 266 CALCULUS WITH ANALYTIC GEOMETRY II (UC:CSU) 5.00 Units

Prerequisite: Mathematics 265.

This course includes differentiation and integration of trigonometric, exponential, logarithmic functions, and hyperbolic functions; conic sections with translations and rotations, techniques of integration; improper integrals, infinite series and polar coordinates.

1993	7:00am - 8:10am	MTWTh	AH/T E412
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MATHEMATICS 267 CALCULUS WITH ANALYTIC GEOMETRY III (UC:CSU) 5.00 Units

Prerequisite: Mathematics 266.

This course reviews operations with vectors in two and three-dimensional spaces as well as vector-valued functions with their applications. Topics include partial derivatives, Lagrange multiplier, Line integrals, multiple integrals in polar, cylindrical and spherical coordinates, Green's theorem, Surface integrals, Divergence and Stokes theorems.

1994	8:35am - 9:45am	MTWTh	AH/T E221
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MATHEMATICS 270 LINEAR ALGEBRA (UC:CSU) 3.00 Units

Prerequisite: Mathematics 267.

Introduction to linear algebra and matrix theory. Topics include: linear systems, matrices and determinants; vector spaces and linear transformations; eigenvectors and eigenvalues; inner product spaces and canonical forms.

1996	11:45am - 1:00pm	MW	AH/T E415
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MICROBIOLOGY

Chair: Miguel Moreno,

Cedar Hall - CH/K-405, (213) 763-7322

MICROBIOLOGY 001 INTRODUCTORY MICROBIOLOGY (UC:CSU) 5.00 Units

Prerequisite: Biology 3; Biology 6; Chemistry 51; Chemistry 101.

This course covers fundamental principles of microbiology and standard laboratory techniques. It includes systematics, morphology, physiology, genetics, ecology and evolution of microorganisms. Medical applications include concepts in microbial growth and control, epidemiology, immunology and disease. Industrial and environmental applications cover use of microorganisms' diverse metabolic abilities in the production of food, chemicals and medicine, including role in biotechnology and environment.

1645	8:00am - 9:30am	MW	CH/ K408
& lab	9:30am - 12:30pm	MW	CH/ K408

MICROBIOLOGY 020 GENERAL MICROBIOLOGY (UC:CSU) 4.00 Units

Prerequisite: Biology 3; Biology 6; Chemistry 51; Chemistry 101.

This is a comprehensive course for nursing and allied health majors. It covers fundamental principles and laboratory techniques related to systematics, morphology, physiology, genetics, ecology and evolution of microorganisms. Medical applications include basic concepts of microbial growth and control, epidemiology, immune response and a survey of important human diseases.

1648	8:30am - 11:40am	T	CH/ K408
& lab	8:30am - 11:40am	Th	CH/ K408
1649	8:00am - 11:10am	SAT	CH/ K408
& lab	12:00pm - 3:10pm	SAT	CH/ K408
1658	3:10pm - 6:20pm	M	CH/ K408
& lab	3:10pm - 6:20pm	W	CH/ K408
4060	6:30pm - 9:40pm	M	CH/ K408
& lab	6:30pm - 9:40pm	W	CH/ K408

MICROCOMPUTER TECHNICIAN

Chair: Eric Chavez,

Cesar Hall - CH/K-325, (213) 763-3782

MICROCOMPUTER TECHNICIAN 077 CISCO NETWORKING ACADEMY - SEMESTER I 3.00 Units

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	8:00am - 10:10am	T	CH/ K302
& lab	8:00am - 11:10am	Th	CH/ K302
3351	6:00pm - 8:05pm	T	CH/ K302
& lab	6:00pm - 9:10pm	Th	CH/ K302

MICROCOMPUTER TECHNICIAN 078 CISCO NETWORKING ACADEMY - SEMESTER II 3.00 Units

Prerequisite: Microcomputer Technician 77.

This is the second course in a four course sequence that qualifies the student to take the CISCO CCNA Certification Test; and covers router fundamentals, beginning router setup and configuration, routed and routing protocols, WAN fundamentals, network troubleshooting and network management.

0524	7:00am - 9:05am	F	CH/ K302
& lab	9:25am - 12:35pm	F	CH/ K302

FALL 2014 Class Schedule

MICROCOMPUTER TECHNICIAN 079 CISCO NETWORKING ACADEMY - SEMESTER III

3.00 Units

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	F	CH/ K307
& lab	9:25am - 12:35pm	F	CH/ K307

MICROCOMPUTER TECHNICIAN 080 CISCO NETWORKING ACADEMY - SEMESTER IV

3.00 Units

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	F	CH/ K307
& lab	9:25am - 12:35pm	F	CH/ K307

MICROCOMPUTER TECHNICIAN 160 IT ESSENTIALS APPLICATION SOFTWARE FUNDAMENTALS (CSU)

2.00 Units

Instruction and demonstrations are provided on the application, set-up, configuration and operation of a wide range of computer programs.

0531	7:00am - 7:50am	W	CH/ K301
& lab	8:00am - 11:10am	W	CH/ K301

MICROCOMPUTER TECHNICIAN 162 IT ESSENTIALS NETWORKING PERSONAL COMPUTERS

4.00 Units

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	9:10am - 12:00pm	T	CH/ K301
& lab	7:00am - 9:50am	Th	CH/ K301

MICROCOMPUTER TECHNICIAN 164 IT ESSENTIALS MICROCOMPUTER THEORY AND SERVICING

5.00 Units

The course provides servicing techniques for microcomputers and their related peripherals. Hands-on instruction is provided in diagnosing a range of microcomputers malfunctions.

0535	7:00am - 10:20am	M	CH/ K301
& lab	10:30am - 1:50pm	M	CH/ K301
& lab	10:10am - 1:20pm	Th	CH/ K301

MICROCOMPUTER TECHNICIAN 165 LINUX SURVIVAL COURSE (UC:CSU)

3.00 Units

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

MICROCOMPUTER TECHNICIAN 166 CCNA SECURITY (NDA)

3.00 Units

This course provides knowledge and skills to administer network devices and applications in a security infrastructure, recognize network vulnerabilities, and detect security threat. This course offers an overview of security challenges and solutions, and installing, monitoring, and troubleshooting Cisco security solutions to secure a network.

3365	7:00am - 9:05am	SAT	CH/ K305
& lab	9:25am - 12:35pm	SAT	CH/ K305

MOTORCYCLE REPAIR MECHANIC

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

MOTORCYCLE REPAIR MECHANIC 214 MULTI-CYLINDER ELECTRICAL PRINCIPLES AND REPAIR

4.00 Units

Instruction is offered in electrical theory, diagnosis, and repair as applied to the electrical systems of multi-cylinder motorcycles. Shop practices are given on testing procedures and test equipment, and repair.

4502	6:30pm - 7:30pm	TTh	OH/ F124
& lab	7:30pm - 9:40pm	TTh	OH/ F124

MOTORCYCLE REPAIR MECHANIC 216 MULTI-CYLINDER DIAGNOSIS AND OVERHAUL

4.00 Units

Multi-cylinder engine principles, operation and overhaul methods are stressed. Shop instruction on diagnosis, disassembly, repair, overhaul and assembly of multi-cylinder engines is offered.

4503	7:30am - 8:30am	SAT	OH/ F124
& lab	8:30am - 1:40pm	SAT	OH/ F124

MUSIC

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

MUSIC 101 FUNDAMENTALS OF MUSIC (UC:CSU)

3.00 Units

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.

1453	8:35am - 10:00am	MW	OH/ F229
1454	10:10am - 11:35am	MW	OH/ F229
1455	10:10am - 11:35am	TTh	OH/ F229
3855	6:00pm - 9:10pm	W	OH/ F229
3856	6:00pm - 9:10pm	M	OH/ F229

MUSIC 141 JAZZ APPRECIATION (UC:CSU)

3.00 Units

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.

1456 lab	8:30am - 9:35am	SAT	MH 308
&	9:45am - 11:50am	SAT	MH 308

NURSING, REGISTERED

Chair: Rita Weingourt,
Magnolia Hall, MH-165, (213) 763-7182

NURSING, REGISTERED 121 FUNDAMENTAL OF NURSING (CSU)

3.00 Units

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 - 10:50am	Th	MH 207
&lab	7:00am - 1:30pm	TW	HOSP

(8 Week Class - Starts 9/1/2014, Ends 10/24/2014)

7725	8:00am - 10:50am	Th	MH 207
& lab	7:00am - 1:30pm	TW	HOSP

(8 Week Class - Starts 9/1/2014, Ends 10/24/2014)

FALL 2014 Class Schedule

7726 8:00am - 10:50am Th MH 207
&lab 7:00am - 11:30am W HOSP
or lab 1:00pm - 9:15pm Th OLYM MC
(8 Week Class - Starts 9/1/2014, Ends 10/24/2014)
9530 8:00am - 10:50am Th MH 207
& lab 7:00am - 1:30pm TW HOSP
(8 Week Class - Starts 9/1/2014, Ends 10/24/2014)

NURSING, REGISTERED 122 3.00 Units
INTRODUCTION TO MEDICAL SURGICAL NURSING (CSU)

Prerequisites: REGNRSG 121 & 123.

This course is designed to introduce the student to the concept of medical surgical nursing using Maslow's Hierarchy of Needs as a framework.

7721 8:00am - 10:50am Th MH 207
& lab 7:00am - 11:30am W MH 160
or lab 1:00pm - 9:20pm Th OLYM MC
(7 Week Class - Starts 10/27/2014, Ends 12/19/2014)

7728 8:00am - 10:50am Th MH 207
& lab 7:00am - 1:30pm TW HOSP
(8 Week Class - Starts 10/27/2014, Ends 12/19/2014)

7729 8:00am - 10:50am Th MH 207
& lab 7:00am - 1:30pm TW HOSP
(8 Week Class - Starts 10/27/2014, Ends 12/19/2014)

9531 8:00am - 10:50am Th MH 207
& lab 7:00am - 1:30pm TW HOSP
(8 Week Class - Starts 10/27/2014, Ends 12/19/2014)

NURSING, REGISTERED 123 2.00 Units
NURSING PROCESS

This course is designed to acquaint the students with the components of Nursing Process: assessment, nursing diagnosis, planning, implementation and evaluation. Students will use Nursing Process in conjunction with Maslow's Hierarchy of Needs to make appropriate nursing judgments.

7765 1:00pm - 3:20pm M MH 207
(7 Week Class - Starts 9/1/2014, Ends 10/24/2014)

NURSING, REGISTERED 125 2.00 Units
NURSING PHARMACOLOGY

This course focuses on the effects of drug therapy on human body systems. The body systems include: the central nervous system, autonomic nervous, cardiovascular, renal, endocrine, respiratory and Gastro-intestinal systems. Also included are anti-infective, anti-inflammatory, immune and biological modifiers, chemotherapeutic, hematological, dermatologic, ophthalmic and otic agents. The students will learn and practice principles of medication administration.

7740 8:00am - 9:45am M MH 207
& lab 10:00am - 11:45am M MH 207

NURSING, REGISTERED 126 5.00 Units
MEDICAL-SURGICAL NURSING I (CSU)

Prerequisite: Registered Nursing 122 and Registered Nursing 124 and Registered Nursing 125 and Registered Nursing 134;

This basic course focuses on the nursing care of the adult client with moderate stress posed by common endocrine, gastrointestinal, cardiac and respiratory disorders. The student will function as a member of the health care team and beginning leadership skills will be presented. Emphasis will be placed on classroom and clinical application of critical thinking and therapeutic nursing interventions in acute, chronic and community health care settings.

7730 8:00am - 3:20pm Th MH 161
& lab 7:00am - 7:50pm M HOSP
(7 Week Class - Starts 9/1/2014, Ends 10/24/2014)

7731 8:00am - 3:20pm Th MH 161
& lab 7:00am - 7:50pm T MH 161
(8 Week Class - Starts 9/1/2014, Ends 10/24/2014)

7732 8:00am - 3:20pm Th MH 161
& lab 7:00am - 7:50pm T HOSP
(8 Week Class - Starts 10/27/2014, Ends 12/19/2014)

7733 8:00am - 3:20pm Th MH 161
& lab 7:00am - 7:50pm M HOSP
(8 Week Class - Starts 10/27/2014, Ends 12/19/2014)

NURSING, REGISTERED 127 5.00 Units
MEDICAL-SURGICAL NURSING II (CSU)

Prerequisite: Registered Nursing 126 and Registered Nursing 129 and Registered Nursing 130 and Registered Nursing 134;

This intermediate level medical/surgical nursing course focuses on nursing care of adult clients with high acuity problems within hospital and community settings. Students will use nursing process and Maslow's Hierarchy of needs to plan and implement nursing care. The course builds on the theory and skills presented in RN 126. Leadership role will be expanded.

7734 9:00am - 12:20pm MW MH 203
& lab 7:00am - 7:50pm Th HOSP
(8 Week Class - Starts 9/1/2014, Ends 10/24/2014)

7735 9:00am - 12:20pm MW MH 203
& lab 7:00am - 7:50pm F HOSP
(7 Week Class - Starts 10/27/2014, Ends 12/19/2014)

7736 9:00am - 12:20pm MW MH 203
& lab 7:00am - 7:50pm Th HOSP
(7 Week Class - Starts 10/27/2014, Ends 12/19/2014)

NURSING, REGISTERED 128 3.00 Units
MEDICAL-SURGICAL NURSING III (CSU)

Prerequisite: Registered Nursing 127 and Registered Nursing 131 and Registered Nursing 134;

This course focuses on the nursing care of medical-surgical clients in a variety of setting. Emphasis will be on classroom and clinical application of critical thinking and caring interventions in chronic, acute, critical care and community health care settings.

7760 9:00am - 12:35pm W MH 207
& lab 7:00am - 5:05pm M HOSP
(7 Week Class - Starts 9/1/2014, Ends 10/24/2014)

7761 9:00am - 12:35pm W MH 207
& lab 7:00am - 5:05pm F HOSP
(8 Week Class - Starts 9/1/2014, Ends 10/24/2014)

NURSING, REGISTERED 129 2.00 Units
GERONTOLOGY & COMMUNITY BASED NURSING

Prerequisite: Registered Nursing 122; Registered Nursing 124; Registered Nursing 125 and Registered Nursing 134;

This course focuses on nursing care of the older adult client with common health and illness needs. Emphasis will be on classroom and clinical application of critical thinking and caring therapeutic nursing interventions in acute, chronic and community health care settings for the older adult population.

7770 2:00pm - 4:20pm T MH 203
& lab 7:00am - 1:35pm F HOSP
(8 Week Class - Starts 9/1/2014, Ends 10/24/2014)

7771 2:00pm - 4:20pm T MH 203
& lab 2:00pm - 8:00pm F HOSP
(8 Week Class - Starts 9/1/2014, Ends 10/24/2014)

7772 2:00pm - 4:20pm T MH 203
& lab 7:00am - 1:35pm F MH 203
(8 Week Class - Starts 10/24/2014, Ends 12/19/2014)

7773 2:00pm - 4:20pm T MH 203
& lab 2:00pm - 8:00pm F HOSP
(8 Week Class - Starts 10/24/2014, Ends 12/19/2014)

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NURSING, REGISTERED 130 PSYCHIATRIC-MENTAL HEALTH NURSING 3.00 Units

Prerequisite: Registered Nursing 122 and Registered Nursing 124 and Registered Nursing 125 and Registered Nursing 134;
This course focuses on nursing care of clients with common psychiatric mental health needs/disorders across the lifespan. Students will apply the nursing process, critical thinking, psychosocial theory and Maslow's Hierarchy of Needs to care of clients in acute, chronic and community-based psychiatric-mental health settings.

7755 9:00am - 12:20pm W MH 203
& lab 7:00am - 5:05pm M HOSP

(7 Week Class - Starts 9/1/2014, Ends 10/24/2014)

7756 9:00am - 12:20pm W MH 203
& lab 7:00am - 5:05pm F HOSP

(8 Week Class - Starts 9/1/2014, Ends 10/24/2014)

7757 9:00am - 12:20pm W MH 203
& lab 7:00am - 5:05pm M HOSP

(7 Week Class - Starts 10/27/2014, Ends 12/19/2014)

7758 9:00am - 12:20pm W MH 203
& lab 7:00am - 5:05pm F HOSP

(7 Week Class - Starts 10/27/2014, Ends 12/19/2014)

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.

7745 8:00am - 1:05pm T MH 203
& lab 7:00am - 5:50pm M HOSP

(7 Week Class - Starts 9/1/2014, Ends 10/24/2014)

7747 8:00am - 1:05pm T MH 203
& lab 7:00am - 5:50pm M HOSP

(7 Week Class - Starts 9/1/2014, Ends 10/24/2014)

7748 8:00am - 1:05pm T MH 203
& lab 7:00am - 5:50pm Th MH 203

(7 Week Class - Starts 10/27/2014, Ends 12/19/2014)

NURSING, REGISTERED 132 3.50 Units CARE OF CHILDREN AND FAMILY

Prerequisite: Registered Nursing 127 and Registered Nursing 131 and Registered Nursing 134;
This course focuses on the nurse as a provider of care, manager of care and member of the profession in a variety of settings involving children and families. Course content includes physiological, psychological, developmental and socio-cultural needs of children and families. Course content in Pediatric Nursing will be presented within the framework of the wellness/illness continuum of the client and family from birth through adolescence.

7752 8:00am - 1:05pm Th MH 203
& lab 7:00am - 4:10pm M HOSP

(7 Week Class - Starts 9/1/2014, Ends 10/24/2014)

7753 8:00am - 1:05pm Th MH 203
& lab 7:00am - 5:10pm F HOSP

(8 Week Class - Starts 9/1/2014, Ends 10/24/2014)

NURSING, REGISTERED 133 3.00 Units NURSING LEADERSHIP & MANAGEMENT

Prerequisite: Registered Nursing 128 and Registered Nursing 132 and Registered Nursing 134.

This course focuses on the transitioning role of the graduating Associate Degree nurse as a provider of care, manager of care and member of the profession. Concepts and issues to be examined include effective leadership styles, advanced therapeutic communication, delegation, conflict resolution, time management, nursing ethics and professional issues. Clinical experience is in the form of a preceptorship.

7775 9:00am - 12:00pm W MH 207
& lab 16:25 hrs/wk TBA HOSP

(8 Week Class - Starts 10/27/2014, Ends 12/19/2014)

7777 9:00am - 12:00pm W MH 207
& lab 16:25 hrs/wk TBA HOSP

(8 Week Class - Starts 10/27/2014, Ends 12/19/2014)

NURSING, REGISTERED 134 1.00 Unit NURSING SIMULATION LAB

This course is designed to allow students to practice nursing skills in a structured setting. It will make use of patient care scenarios in which evidence based practice will be emphasized. It must be taken in semesters 1, 2 and 3. It is optional in semester 4. The class will be individualized to meet students needs.

7800 lab 3:25 hrs/wk TBA MH 160

7801 lab 3:35 hrs/wk TBA MH 160

NURSING, REGISTERED 136 1.00 Unit NURSING SIMULATION LAB INTERMEDIATE

This course is designed to allow students to practice nursing skills in a structured setting. It will make use of patient care scenarios in which evidence based practice will be emphasized. The class will be individualized to meet students needs.

7806 lab 3:10 hrs/wk TBA MH 164

7807 lab 3:10 hrs/wk TBA MH 164

NURSING, REGISTERED 137 1.00 Unit NURSING SIMULATION LAB ADVANCED

This course is designed to allow students to practice nursing skills in a structured setting. It will make use of patient care scenarios in which evidence based practice will be emphasized. The class will be individualized to meet students needs.

7808 lab 3:10 hrs/wk TBA MH 164

9537 lab 3:10 hrs/wk TBA MH 164

PARALEGAL

Chair: Paulette Bailey,
Cedar Hall - CH/K-225, (213) 763-7269

PARALEGAL 010 3.00 Units INTRODUCTION TO LAW AND LEGAL PROFESSION (CSU)

Prerequisite: English 28.

This introductory course provides an introduction to legal terminology, research of legal problems, law and ethics, and the role of the paralegal as a legal assistant.

0178 10:10am - 11:35am TTh CH/ K324

3008 6:00pm - 9:10pm T CH/ K304

PARALEGAL 016 3.00 Units CIVIL AND CRIMINAL EVIDENCE

Students will examine the rules of court including deposition and interrogatory preparations and how each affects the admissibility of evidence in a civil or criminal proceeding.

0181 1:35pm - 3:00pm TTh CH/ K324

FALL 2014 Class Schedule

PARALEGAL 017 LEGAL WRITING

3.00 Units

Students will be introduced to traditional sources of law related information. Students will also be introduced to electronically-formatted sources of law related information. Students will utilize both source types in researching legal issues and preparing documents related to their findings.

0182 12:00pm - 1:25pm TTh CH/ K304

PARALEGAL 020 PROBATE PROCEDURES

3.00 Units

A comprehensive study of methods for fact gathering, office procedures, and required court work involved in the processing of probates for testate and intestate decedents.

0183 12:00pm - 1:25pm MW CH/ K324

PHILOSOPHY

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

PHILOSOPHY 001 INTRODUCTION TO PHILOSOPHY (UC:CSU)

3.00 Units

This course introduces students to philosophy, covering the topics of ethics, logic and language, metaphysics, theory of knowledge, philosophy of religion, and political philosophy. Some of the questions examined include: 'What is the good life?' 'What is right and wrong, and how do we know?' 'What is knowledge and what are its sources? Is it possible that we know nothing at all?' 'Does God exist?' 'Could we ever know?' 'What is the mind?' 'What is justice?' 'What is the basic nature of reality?' An emphasis is placed on developing critical reasoning skills, and relating the topics to larger cultural issues and debates.

1457 10:10am - 11:35am TTh OH/ F222
1458 8:35am - 10:00am MW OH/ F222
1459 10:10am - 11:35am MW OH/ F222
1460 8:35am - 10:00am TTh OH/ F222
3857 6:00pm - 9:10pm Th OH/ F222

PHILOSOPHY 008 DEDUCTIVE LOGIC (UC:CSU)

3.00 Units

This is an introductory course in logic. The student is introduced to the standards and techniques of correct thought with regular practice with short specimens of correct and incorrect reasoning taken from daily life. Consistency, thoroughness, and other aspects of rational thought are fostered.

1461 11:45am - 1:10pm MW OH/ F222
1470 11:45am - 1:10pm TTh OH/ F222
3858 6:00pm - 9:10pm T OH/ F222

Philosophy 1 is also offered through ITV. Please see schedule ad on page 58

PHYSICS

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

PHYSICS 001 MECHANICS OF SOLIDS (UC:CSU)

4.00 Units

Prerequisite: Physics 11 or Physics 12; Corequisite: Mathematics 265; This course covers elements of classical mechanics, including motion in three dimensions, vectors, laws of motion, circular motion, energy and energy transfer, linear momentum, rigid body rotation, angular momentum, static equilibrium and elasticity.

1740 10:10am - 11:45am TTh CH/ K420
& lab 11:50am - 3:00pm Th CH/ K420

PHYSICS 003 ELECTRICITY AND MAGNETISM (UC:CSU)

4.00 Units

Prerequisite: Physics 1; Mathematics 266.

This course covers the elements of electricity and magnetism, including electric and magnetic fields and circuits and their application as well as inductance. Capacitance, Gauss's law, Ampere's law, Faraday's law, and resonance.

1741 1:00pm - 4:10pm Th MH 309
& lab 1:30pm - 4:40pm T CH/ K422

PHYSICS 006 GENERAL PHYSICS I (UC:CSU)

4.00 Units

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.

4061 6:30pm - 9:40pm M USC
& lab 3:00pm - 6:10pm W CH/ K422

First class meeting will be at L.A. Trade-Technical College, Room TE-111. Contact Science Department at (213) 763-7295 for inquiries.

4062 6:30pm - 9:40pm M USC
& lab 1:00pm - 4:10pm F CH/ K420

PHYSICS 011 INTRODUCTORY PHYSICS (UC:CSU)

4.00 Units

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.

1744 7:00am - 10:10am T CH/ K422
& lab 7:00am - 10:10am Th CH/ K420
1745 8:35am - 10:00am MW CH/ K406
& lab 7:00am - 10:10am Th CH/ K422
1748 8:00am - 11:10am SAT CH/ K422
& lab 12:00pm - 3:10pm SAT CH/ K422
1756 lec 7:00am - 10:10am F CH/ K406
& lab 10:20am - 1:30pm F CH/ K422
4090 6:30pm - 9:40pm T CH/ K321
& lab 6:30pm - 9:40pm Th CH/ K422

PHYSICS 012 PHYSICS FUNDAMENTALS (UC:CSU)

3.00 Units

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.

1757 7:00am - 10:10am F CH/ K406
1788 7:00am - 10:10am T CH/ K422
4091 6:30pm - 9:40pm T CH/ K321

PHYSICS 014 PHYSICS FUNDAMENTALS LABORATORY (UC:CSU)

1.00 Unit

Corequisite: Physics 12;

This course covers laboratory experiments in basic measurements, mechanical, thermal, sound, electrical and optical phenomena at an introductory level.

1747 lab 7:00am - 10:10am Th CH/ K422
1758 lab 10:20am - 1:30pm F CH/ K422

FALL 2014 Class Schedule

PHYSIOLOGY

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

PHYSIOLOGY 001 INTRODUCTION TO HUMAN PHYSIOLOGY (UC:CSU) 4.00 Units

Prerequisites: Anatomy 001 and Chemistry 51 or Chemistry 65 or Chemistry 101.

1631	8:00am - 9:30am	TTh	CH/ K468
& lab	9:40am - 12:50pm	T	CH/ K468
1632	1:00pm - 2:30pm	TTh	CH/ K468
& lab	9:40am - 12:50pm	Th	CH/ K468

PLUMBING

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

PLUMBING 026 3.00 Units PLUMBING LAYOUT AND ESTIMATING I

This course covers fundamentals of blueprint reading for residential plumbing with an introduction to piping layout and design and basic estimating procedures. An overview of piping and fitting nomenclature, measurements and related calculations, as well as techniques in sketching, along with orthographic, and isometric drawing creation are included.

4746 6:00pm - 9:10pm M SQ/B 200B

PLUMBING 028 3.00 Units PLUMBING CODE I

Introduction is given in plumbing codes and ordinances that affect rough-in work, in city and county areas. Installation of wastes, vents, clean-outs, traps, gas fittings, gas vents and water pipe requirements are reviewed.

4739 6:00pm - 9:10pm T SQ/ B222

PLUMBING 029 3.00 Units PLUMBING CODE II

Instruction is given in the uniform plumbing code that involves the current regulations of water and gas systems, fixture installation, water heaters, joints and connections, introduction to appendix 'A' and reference standards.

4740 6:00pm - 9:10pm Th SQ/ B222

PLUMBING 031 3.00 Units BACKFLOW PREVENTION DEVICES

This course is designed to prepare student for Backflow Prevention Assembly Tester Certification. Instruction is given in fundamentals of cross-connection control including State, County, County Health Department, and Municipal codes. Water Purveyor rules and regulations are also reviewed in this course. Emphasis is given to laboratory work in installing, operating, testing, troubleshooting, and maintaining Pressure, Spill Resistant Pressure, and Two Check Type Pressure, Vacuum Breakers as well as Double Check Valve, Double Check Valve-Detector, Reduced Pressure Principle, and Reduced Pressure Principle-Detector Backflow prevention Assemblies.

4744 6:00pm - 6:40pm TTh SQ/B 200B
& lab 6:40pm - 9:10pm TTh SQ/ B200

PLUMBING 111 3.00 Units INTRODUCTION TO PLUMBING

This course surveys the history of the Plumbing Industry; Highlights occupational information, Evokes job ethics and instructs on career information; The course also covers occupational health and safety hazards, provides an overview of Plumbing systems, and introduces the tools of the trade.

8163 7:00am - 7:30am TTh SQ/ B352
& lab 9:15am - 12:25pm TTh SQ/ B252

PLUMBING 112 3.00 Units FUNDAMENTALS OF PLUMBING

This course studies fundamentals of plumbing calculations and elementary drawings for beginners. Topics include pipe sizes and calculations, flow in pipe, friction design application, Instruction is given in the principles and design of water supply, fuel gas distribution, and D.W.V. (Drain,Waste and Vent).

4745 6:00pm - 9:10pm M SQ/ B250
8164 7:40am - 9:05am TTh SQ/ B352

PLUMBING 113 6.00 Units BASIC PLUMBING PRINCIPLES AND PRACTICES

This course introduces fundamentals of plumbing principals and practices. Topics include installation, repair, and nomenclature of pipes, fittings, and fixtures. Instruction is given on elementary drawings, plan reading, general specifications, and trade calculations as related to construction documents.

8165 7:00am - 8:05am MWF SQ/ B352
& lab 8:05am - 11:05am MWF SQ/ B252

PLUMBING 121 3.00 Units WORKING DRAWINGS AND LAYOUT I

This course offers instruction in basic blueprints, estimating and drafting related to the plumbing industry; proper methods and procedures of plan interpretation and application. This course also offers exposure to the plumbing code, manufacturer's data sheets, and plumbing specifications.

8166 7:00am - 8:25am MW SQ/ B222

PLUMBING 122 3.00 Units PLUMBING MATHEMATICS AND PROCEDURES II

This course offers instructions in measuring, material purchases and return procedures, capacity loading, pressure calculations and gas conversions related to the plumbing industry, with emphasis on formulas calculations peculiar to the industry

8167 7:00am - 8:25am TTh SQ/ B222

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 8:35am - 11:40am TTh SQ/ B200
& lab 7:00am - 10:35am F SQ/ B200
& lab 9:20am - 11:40am MW SQ/ B200

PLUMBING 131 3.00 Units WORKING DRAWING II

This course is a study of blueprints, plans, and drawings as related to the plumbing trade. Skills, including the interpretation of applicable code and standards. Basic principles of estimating, including materials and their quantities are reviewed.

8169 7:00am - 8:25am TTh SQ/B 200B

PLUMBING 132 3.00 Units PLUMBING CALCULATIONS AND PROCEDURES II

Instruction is given in layout procedures involving applied calculations concerning the plumbing trades. Instruction is also given in layout and design criteria with hands on laboratory procedures.

8170 8:25am - 8:55am TTh SQ/ B200
& lab 8:55am - 12:05pm TTh SQ/ B200

FALL 2014 Class Schedule

PLUMBING 133 6.00 Units

INSTALLATION AND PLUMBING FIXTURES

This course covers fabrication, erection of piping, layout methods, process piping, blueprint installations and testing of plumbing fixtures and appliances.

8171	7:00am - 8:05am	MWF	SQ/B 200B
& lab	8:05am - 11:05am	MWF	SQ/ B200

PLUMBING 941 4.00 Units

COOPERATIVE EDUCATION - PLUMBING

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

9160	4:25 hrs/wk	TBA	CY/ D236
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POLITICAL SCIENCE

Chair: Alicia Rodriguez-Estrada,
Aspen Hall - AH/TE-516, (213) 763-3938

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	8:35am - 10:00am	MW	AH/T E312
1031	10:10am - 11:35am	MW	AH/T E212
1032	11:45am - 1:10pm	MW	OH/ F223
1033	8:35am - 10:00am	TTh	AH/T E312
1035	1:35pm - 3:00pm	TTh	AH/T E323
3630	6:00pm - 9:10pm	T	AH/T E301
3632	6:00pm - 9:10pm	Th	AH/T E301
7972	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, or see the "Online Class" section of this schedule for more information.

Political Science 1 is also offered through ITV. Please see schedule ad on page 58

POLITICAL SCIENCE 002 3.00 Units

MODERN WORLD GOVERNMENTS (UC:CSU)

Advisory: English 28.

This course will explore a selected variety of major nation-states to develop a comparative overview of political philosophies, constitutions, political processes, systems and institutions. Emphasis is placed on geographic, cultural, historic, economic, and demographic factors that contribute to differences in the development and establishment of nation-states.

1036	10:10am - 11:35am	TTh	AH/T E312
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POWER LINE MECH TRNE

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

POWER LINE MECH TRNE 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.

4320 lab	5:00pm - 9:10pm	TWTh	POLE YARD
& lec	9:10pm - 10:00pm	TWTh	OH/ F210
8320	7:00am - 8:10am	MTWThF	POLE YARD
& lab	8:10am - 2:20pm	MTWThF	POLE YARD

PROCESS PLANT TECHNOLOGY

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

PROCESS PLANT TECHNOLOGY 100 3.00 Units

INTRODUCTION TO INDUSTRIAL PROCESS (CSU)

The purpose of this course is to provide an overview or introduction into the field of Process Operations within the Chemical Process Industries, such as the oil refinery and wastewater industries. Students will be introduced to the roles and responsibilities of Process Technicians, the environment in which they work, and the equipment and systems in which they operate.

1646	12:30pm - 3:40pm	F	CH/ K424
4085	6:00pm - 9:10pm	W	CH/ K424

PROCESS PLANT TECHNOLOGY 103 3.00 Units

PROCESS PLANT EQUIPMENT (CSU)

This course introduces the student to the generic equipment used in the process plant industry. Students will learn the fundamental principles of operation, construction, and application of piping, pipe fitting, steam traps, valves, pumps compressors, steam turbines, electric motors, furnaces, heat exchangers, cooling towers, storage tanks, distillation towers reactors and process instrumentation.

1647	6:30am - 8:30am	W	AH/T E111
& lab	10:20am - 1:25pm	W	CH/ K424
4086	5:00pm - 7:00pm	Th	CH/ K424
& lab	7:00pm - 10:00pm	Th	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.

1644 lab	6:30am - 8:30am	M	AH/T E111
& lec	11:40am - 12:45pm	M	AH/T E111

FALL 2014 Class Schedule

PROCESS PLANT TECHNOLOGY 206 PTEC-ADVANCED INSTRUMENTATION II 3.00 Units

This course provides students with exposure to advanced process operation variables and a variety of instruments used to sense, measure, transmit, and control plant operations within the chemical manufacturing, biopharma/manufacturing, oil refinery, wastewater treatment and other chemical industries.

1642 8:35am - 11:40am M CH/ K424

PROCESS PLANT TECHNOLOGY 210 APPLIED INSTRUMENTATION ANALYSIS - I 4.00 Units

This class offers students hands-on experience with the analytical instruments used in typical laboratories such as gas chromatography and chemical titrating equipment. Students will learn to apply various methods of sampling and analyzing to determine the composition of typical liquids, solids, and gases used by the chemical industry.

1643 lab 7:00am - 9:00am T CH/ K464
& 9:00am - 12:05pm T G. ACERO CH/ K424

PSYCHOLOGY

Chair: Alicia Rodriguez-Estrada,
Aspen Hall - AH/TE-516, (213) 763-3938

PSYCHOLOGY 001 3.00 Units GENERAL PSYCHOLOGY I (UC:CSU)

Advisory: English 28;

This is an introductory course in psychology as the scientific study of behavior and mental processes. Topics treated include history and systems of psychology, biological bases of behavior, sensation and perception, states of consciousness, learning, memory, cognition, personality, human development, motivation and emotion, health and stress, psychological disorders, and therapies.

1040 8:35am - 10:00am MW AH/T E213
1041 10:10am - 11:35am MW AH/T E312
1043 8:35am - 10:00am TTh AH/T E213
1044 10:10am - 11:35am TTh AH/T E306
1045 11:45am - 1:10pm TTh AH/T E213
3640 6:00pm - 9:10pm M AH/T E221
3641 6:00pm - 9:10pm Th AH/T E221
7975 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, or see the "Online Class" section of this schedule for more information.

Psychology 1 is also offered through ITV. Please see schedule ad on page 58

PSYCHOLOGY 002 3.00 Units BIOLOGICAL PSYCHOLOGY (UC:CSU)

Prerequisite: Psychology 1; Advisory: English 28.

The course is about the biological bases of human behavior and as such it deals with the scientific understanding of the relationship between the brain and behavior. The course focuses on how biological mechanisms and brain processes may help to explain behavior. Topics covered include the following: issues in biopsychology, nerve cells and nerve impulses, synapses, the nervous system, brain plasticity, sleep, internal regulation, reproductive behaviors, emotional behaviors, learning and memory, language, and psychological disorders.

3642 11:45am - 1:10pm MW AH/T E213

PSYCHOLOGY 041 3.00 Units LIFE-SPAN PSYCHOLOGY: FROM INFANCY TO OLD AGE (UC:CSU)

Prerequisite: Psychology 1; Advisory: English 28;

This course examines the interaction of physical, psychological, and social factors and their impact on human development and behavior from conception to death.

1046 10:10am - 11:35am MW AH/T E213
1047 10:10am - 11:35am TTh AH/T E213

1048 11:45am - 1:10pm MW AH/T E312
3650 6:00pm - 9:10pm T AH/T E213
7981 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, or see the "Online Class" section of this schedule for more information.

Psychology 41 is also offered through ITV. Please see schedule ad on page 58

PSYCHOLOGY 069 3.00 Units PSYCHOLOGY IN FILM (UC:CSU)

Advisory: English 28 and Psychology 1;

This course will survey a variety of films that portray specific human behaviors, characteristics, and disorders as discussed in General Psychology I. A lecture/discussion will accompany each film that provides a more in depth analysis of the relevant topic than is covered in General Psychology I. Topics covered will be drawn from research methods, biological psychology, sensation & perception, states of consciousness, learning, memory, intelligence, motivation, human development, personality, emotions & stress, human sexuality & gender, social psychology, abnormal psychology, and clinical psychology.

7983 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, or see the "Online Class" section of this schedule for more information.

PUBLIC RELATIONS

Chair: Paulette Bailey,
Cedar Hall - CH/K-225, (213) 763-7269

PUBLIC RELATIONS 002 3.00 Units PUBLIC RELATIONS TECHNIQUES (CSU)

Advisory: Public Relations 1;

This course is a comprehensive study of various public relations techniques utilized in campaigns by businesses, educational institutions, public agencies, and other organizations. Case histories are used to stimulate student initiative in problem solving. The social impact of the various communications media and their role in public relations will also be stressed. The accompanying practicum gives students the opportunity to work with an on-campus or non-profit organization to create and implement a public relations plan.

0197 10:10am - 11:35am MW CH/ K258

REAL ESTATE

Chair: Paulette Bailey,
Cedar Hall - CH/K-225, (213) 763-7269

REAL ESTATE 001 3.00 Units REAL ESTATE PRINCIPLES (CSU)

This course covers the nature of real property, types of estates and tenancy, real estate and contract law, types of agency, title and title insurance, trust deeds/mortgages, liens/encumbrances, taxes, zoning, community property, financing and real estate math concepts. This course is one of three required courses as preparation for the examination given by the State of California for real estate brokers and salespersons.

3013 6:00pm - 9:10pm M CH/ K322

FALL 2014 Class Schedule

REAL ESTATE 003 **3.00 Units**
REAL ESTATE PRACTICES (CSU)

This course covers office procedures and practices in listings, advertising, prospecting, financing, exchanges, property management, salesmanship, land utilization and public relations. This course also provides students necessary information and materials a real estate agent utilizes in the day-to-day operations of a real estate business.

3014 6:00pm - 9:10pm T CH/ K210

REAL ESTATE 007 **3.00 Units**
REAL ESTATE FINANCE I (CSU)

This course provides and explains the real estate lending process in detail from the initial loan application to the closing of the transaction. It provides a practical, step-by-step guide to the most popular real estate financing programs available in the country today. Subjects include: the loan application process, loan underwriting standards, conventional, FHA, and VA loans, seller financing, fair lending practices, and predatory lending.

3015 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 **3.00 Units**
MECHANICS 100

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.

4841 6:00pm - 9:10pm W SQ/ B232

REFRIGERATION & AIR CONDITIONING **9.00 Units**
MECHANICS 101

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 M SQ/ B250
& lab 7:00am - 12:05pm TWThF SQ/ B250

REFRIGERATION & AIR CONDITIONING **3.00 Units**
MECHANICS 105

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.

8302 8:00am - 11:10am SAT SQ/ B232

REFRIGERATION & AIR CONDITIONING **2.00 Units**
MECHANICS 110

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.

4618 lab 11:30am - 5:40pm SAT SQ/ B204

REFRIGERATION & AIR CONDITIONING **1.00 Unit**
MECHANICS 123

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 SQ/ B237

REFRIGERATION & AIR CONDITIONING **5.00 Units**
MECHANICS 124

REFRIGERATION ELECTRICAL CIRCUITS AND CONTROLS

This course covers the application of electrical principles and practices, including safety and PPE, utilized in the performance of the duties required of a HVACR Technician.

8305 lab 7:00am - 12:05pm TTh SQ/ B237

REFRIGERATION & AIR CONDITIONING **3.00 Units**
MECHANICS 125

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 SQ/ B233

REFRIGERATION & AIR CONDITIONING **3.00 Units**
MECHANICS 133

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/ B232

REFRIGERATION & AIR CONDITIONING **3.00 Units**
MECHANICS 134

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/ B232

REFRIGERATION & AIR CONDITIONING **3.00 Units**
MECHANICS 135

AIR CONDITIONING AND REFRIGERATION

Prerequisite: Refrigeration and A/C Mechanics 123; Refrigeration and A/C Mechanics 124; Refrigeration and A/C Mechanics 125 ; Corequisite: Refrigeration and Air Conditioning Mechanics 133; and Refrigeration and Air Conditioning Mechanics 134;

This course focuses on refrigeration principles including theory of heat, automatic controls, electric motors, and commercial refrigeration. This course gives an in depth look at the refrigeration cycle and refrigeration components. This course discusses thermodynamics, including the pressure temperature chart, latent heat, and system efficiency.

8310 7:00am - 10:10am F SQ/ B221

FALL 2014 Class Schedule

REFRIGERATION & AIR CONDITIONING MECHANICS 141 3.00 Units

APPLIED REFRIGERATION AND AIR CONDITIONING PRINCIPLES
This course focuses on Chemistry as applied to the HVAC and R industry. Areas covered include Hydronics, heating and cooling load calculations, control wiring, introduction to the Uniform Mechanical Code, pneumatic controls, troubleshooting approaches, and employment.
8311 7:00am - 10:10am F SQ/ B203

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/ B204

REFRIGERATION & AIR CONDITIONING MECHANICS 145 3.00 Units

AIR CONDITIONING AND REFRIGERATION MECHANICS
Prerequisite: Refrigeration and A/C Mechanics 133; and Refrigeration and A/C Mechanics 134; and Refrigeration and A/C Mechanics 135 ; Corequisite: Refrigeration and Air Conditioning Mechanics 141; and Refrigeration and Air Conditioning Mechanics 143; This is a study on diagnosis and repair of refrigeration, air conditioning, and gas heating systems with emphasis on the correct application of electrical theory.
8313 lab 7:00am - 12:05pm TTh SQ/ B204

REFRIGERATION & AIR CONDITIONING MECHANICS 160 4.00 Units

REFRIGERATION SYSTEM PRINCIPLES AND PRACTICES
Students learn the fundamental refrigeration system principles, including system components refrigerants, basic electricity, motors, controls, and test equipment in domestic and commercial systems. Students get an introduction to air conditioning with an emphasis on the refrigeration cycle, and appropriate temperatures.
4784 8:00am - 10:30am SAT SQ/ B233
& lab 10:30am - 3:40pm SAT SQ/ B233

REFRIGERATION & AIR CONDITIONING MECHANICS 161 4.00 Units

AIR CONDITIONING SYSTEM PRINCIPLES AND PRACTICES
This is a study of human comfort, psychometrics and heat loads. Air distribution and duct sizing, air conditioning equipment, test instruments and measurements and servicing are explored.
4767 6:00pm - 7:10pm MW SQ/ B203
& lab 7:10pm - 9:40pm MW SQ/ B204

REFRIGERATION & AIR CONDITIONING MECHANICS 162 4.00 Units

PIPING PRINCIPLES AND PRACTICES
Instruction is given on refrigerant tubing and fittings, water piping and fittings, pipe sizing, soft soldering, silver brazing and schematic drawings.
4774 6:00pm - 7:10pm TTh SQ/ B237
& lab 7:10pm - 9:40pm TTh SQ/ B237

REFRIGERATION & AIR CONDITIONING MECHANICS 164 3.00 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.
4759 6:00pm - 6:45pm MW SQ/ B232
& lab 6:45pm - 9:40pm MW SQ/ B221

REFRIGERATION & AIR CONDITIONING MECHANICS 166 4.00 Units

WATER TOWERS, EVAPORATIVE CONDENSERS AND CHEMICAL TREATMENT
This course will focus on the fundamentals of water towers and evaporative condensers used to obtain high efficiency performance of refrigeration and air conditioning systems. Students will learn how to select the proper size depending on local humidity and desired operating conditions, proper maintenance, additives and procedures and techniques available to the technician.
4775 6:00pm - 9:00pm F OH/ F214

REFRIGERATION & AIR CONDITIONING MECHANICS 188 3.00 Units

SERVICING II
Topics covered in this course include: electrical diagrams for testing control circuits; the total electrical system and protection devices on package units; analysis of failure and compressor motor burnout cleanup procedures.
4757 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
8000 10:20am - 1:30pm F SQ/ B203

REFRIGERATION & AIR CONDITIONING MECHANICS 202 3.00 Units

REFRIGERATION FUNDAMENTALS (CSU)
This course covers applied thermodynamics, types of energy, gas laws, sensible and latent heat transfer.
4752 6:00pm - 9:10pm W SQ/ B233

REFRIGERATION & AIR CONDITIONING MECHANICS 203 3.00 Units

COMPRESSION SYSTEMS OF REFRIGERATION (CSU)
Instruction is given in the vapor cycle of refrigeration systems, including the study of refrigerants and their behavior in the system.
4753 6:00pm - 9:10pm W SQ/ B250

REFRIGERATION & AIR CONDITIONING MECHANICS 204 3.00 Units

FUNCTIONS AND COMPRESSION SYSTEM COMPONENTS
This Course covers the technical aspects of all major refrigeration system components. Topics covered include the principles of operation of various types of compressors, refrigerant flow controls, and system design.
4754 6:00pm - 9:10pm Th SQ/ B250

FALL 2014 Class Schedule

REFRIGERATION & AIR CONDITIONING MECHANICS 208 **4.00 Units**
REFRIGERENT MANAGEMENT - EPA SECTION 608 CERTIFICATION (CSU)

This course covers Refrigerant Management including the EPA Section 608 ruling, the Montreal Protocol, Ozone depletion and Global Warming. Preparatory course for the EPA section 608 technician certification. Type I, II, III, and Universal Certification. NOTE: Certification test will be available at the end of the semester for an additional fee.
7866 8:05 hrs/wk TBA ON LINE
Please visit the online program homepage at <http://moodle.lattc.edu> prior to the start of class for directions, or see the "Online Class" section of this schedule for more information.

REFRIGERATION & AIR CONDITIONING MECHANICS 209 **4.00 Units**

NORTH AMERICAN TECHNICIAN EXCELLENCE (NATE) -AIR CONDITIONING SPECIALIST-CERTIFICATION PREPARATION
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 8:05 hrs/wk TBA ON LINE
Please visit the online program homepage at <http://moodle.lattc.edu> prior to the start of class for directions, or see the "Online Class" section of this schedule for more information.

REFRIGERATION & AIR CONDITIONING MECHANICS 250 **3.00 Units**

INDOOR AIR QUALITY
This course emphasizes on operation of systems to provide quality air to indoor environments. AQMD requirements and pending regulations are reviewed. Organizing and implementing maintenance programs that include indoor air quality assessment and air balancing HVAC systems are covered.
4763 6:00pm - 9:10pm T SQ/ B233

REFRIGERATION & AIR CONDITIONING MECHANICS 941 **4.00 Units**
COOPERATIVE EDUCATION-REFRIGERATION & AIR CONDITIONING MECH

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

RESTAURANT MANAGEMENT

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

RESTAURANT MANAGEMENT 100 **3.00 Units**
RESTAURANT MANAGEMENT (CSU)

Introduction to managing in the restaurant industry. Effective communication, goal setting, management theory, problem solving and creating a team work environment will be discussed.
7522 8:00am - 11:20am F AH/T E208

SIGN GRAPHICS

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

SIGN GRAPHICS 101 **10.00 Units**
INDIVIDUAL LETTERING

Instruction covers identification of materials, tools, and brushes. Training is offered in drawing and brush lettering Gothic, Roman, Script, and casual letter styles. This course also includes training in techniques of layout, letter spacing, color mixing in reference to the production and sale of temporary signs. Students prepare showcards, paper signs, and other temporary display saleable items.

7215 7:00am - 8:00am TWThF SA/ H204
& lab 8:00am - 12:40pm TWThF SA/ H204

SIGN GRAPHICS 102 **10.00 Units**
EXTERIOR DISPLAY SIGNS

Prerequisite: Sign Graphics 101;
This course covers the tools and materials used to produce outdoor signs. In addition, students design, paint, and letter signs inside and outside the classroom. Students will work on a variety of materials including; canvas, plywood, aluminum, and plastic substrates, Introduction to computer generated lettering and application techniques for vinyl letters. Instruction will emphasize sign layout and design.

Students will produce a 4/X8' plywood sign and an exterior wall sign.
7216 7:00am - 8:00am TWThF SA/ H204
& lab 8:00am - 12:40pm TWThF SA/ H204

SIGN GRAPHICS 103 **10.00 Units**
WINDOW SIGNS

Prerequisite: Sign Graphics 102;
Instruction covers the use of specialized tools and materials used to produce window signs. Training includes painting on exterior and reverse windows, stippling techniques, and applications of vinyl letters on glass, both exterior and reverse. In addition, students will paint a temporary splash window and apply 23K gold leaf (water gilding). Intermediate computer design including the use of plotters and application techniques.

7217 7:00am - 8:00am TWThF SA/ H204
& lab 8:00am - 12:40pm TWThF SA/ H204

SIGN GRAPHICS 104 **10.00 Units**
ADVANCE COMPUTER & DESIGN

Prerequisite: Sign Graphics 103;
Students will learn advanced design techniques, backgrounds, and color theory. Practical experience will be gained on advanced computer study, applications, and a variety of computer sign software. In addition, information will be given on small business practices - including management and pricing. Students will produce a sandblasted sign, a custom contour-cut sign, and an antique sign,

7218 7:00am - 8:00am TWThF SA/ H204
& lab 8:00am - 12:40pm TWThF SA/ H204

SIGN GRAPHICS 203 **2.00 Units**
SILK SCREEN PROCESSING 1 (RPT 1)

This course will provide an introduction to the screen printing trade. Students will learn to make silk screens and will learn about copy preparation, mesh selection, frames, stencil systems, printing techniques, ink & substrate compatibility, reclamation of screens. Students will print on a variety of surfaces.

7222 9:00am - 10:00am SAT SA/ H230
& lab 10:00am - 3:45pm SAT SA/ H230

FALL 2014 Class Schedule

SIGN GRAPHICS 204 2.00 Units

SILK SCREEN PROCESSING II

Prerequisite: Sign Graphics 203.

Students will be introduced to the use of solvent based inks; including; color mixing, application, and clean-up. This course also offers practice on a variety of substrates and uses including four color process printing.

7223	9:00am - 10:00am	SAT	SA/ H230
& lec	10:00am - 3:45pm	SAT	SA/ H230

SIGN GRAPHICS 211 2.00 Units

AUTOMOTIVE GRAPHICS

This course will teach the fundamentals of computer software in producing vinyl graphics, patterns, and stencils for application of vehicle graphics. Students will design and cut various materials for the production of painted and vinyl graphics on vehicles. They will learn various application techniques and the use of paints including basic lettering and design for vehicle appropriate graphics.

7226	7:00am - 8:00am	M	SA/ H204
& lab	8:00am - 10:25am	M	SA/ H204

SOCIOLOGY

Chair: Alicia Rodriguez-Estrada,
Aspen Hall - AH/TE-516, (213) 763-3938

SOCIOLOGY 001 3.00 Units

INTRODUCTION TO SOCIOLOGY (UC:CSU)

This course is designed to acquaint students with the major principles of sociology as they are applied to contemporary social issues. With the use of several theoretical perspectives it examines social structures within American society and other cultures from macro and micro perspectives. There are extensive references to contemporary research findings on social structure, group dynamics, social stratification, and social institutions.

1049	10:10am - 11:35am	MW	AH/T E323
1050	11:45am - 1:10pm	MW	AH/T E323
1051	10:10am - 11:35am	TTh	AH/T E323
1052	11:45am - 1:10pm	TTh	AH/T E323
3661	6:00pm - 9:10pm	Th	AH/T E323
7875	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, or see the "Online Class" section of this schedule for more information.

Sociology 1 is also offered through ITV. Please see schedule ad on page 58

SOCIOLOGY 002 3.00 Units

AMERICAN SOCIAL PROBLEMS (UC:CSU)

This course provides identification and analysis of contemporary social problems in the United States with an attempt to establish criteria by which an individual can judge the probable effectiveness of various schemes for social betterment.

1053	8:35am - 10:00am	TTh	AH/T E323
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SOCIOLOGY 028 3.00 Units

THE FAMILY: A SOCIOLOGICAL APPROACH (UC:CSU)

This course provides a sociological analysis which contributes to an understanding of the origin, structure, and functions of marriage and family life. This course includes, but is not limited to, studies of gender roles, legal controls, religious attitudes, mixed marriages and financial and family planning.

1054	8:35am - 10:00am	MW	AH/T E323
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SOLID WASTE MANAGEMENT TECHNOLOGY

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

SOLID WASTE MANAGEMENT TECHNOLOGY 101 3.00 Units

INTRODUCTION TO SOLID WASTE MANAGEMENT
This course offers instruction in the fundamentals of solid waste management including characteristics of solid wastes, refuse storage, collection, transportation, disposal methods, financing methods, and solid waste planning.

4178	6:00pm - 9:10pm	M	OH/ F223
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SPANISH

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

SPANISH 001 5.00 Units

ELEMENTARY SPANISH I (UC:CSU)

This course stresses the fundamentals of pronunciation and grammar, practical vocabulary, useful phrases, and the ability to understand, read, write and speak simple Spanish. It includes basic facts on geography, customs, and culture of Spain and Latin America.

1462	9:00am - 2:20pm	SAT	OH/ F224
1463	8:35am - 9:45am	MTWTh	AH/T E212
1464	8:35am - 9:45am	MTWTh	OH/ F227
1465	10:10am - 11:20am	MTWTh	OH/ F227
3859	6:45pm - 9:15pm	TTh	OH/ F227

SPANISH 002 5.00 Units

ELEMENTARY SPANISH II (UC:CSU)

Prerequisite: Spanish 1; Spanish 22;

This course is a continuation of Spanish 1. It stresses further aspects of pronunciation and grammar, practical vocabulary, useful phrases, and the ability to understand, read, write and speak Spanish. It includes further facts on geography, customs, and culture of Spain and Latin America.

1466	12:00pm - 1:10pm	MTWTh	OH/ F227
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SPANISH 035 5.00 Units

SPANISH FOR SPANISH SPEAKERS I (UC:CSU)

This course addresses the needs of the native Spanish speaking student. It focuses on the acquisition of a solid grammar base, vocabulary enrichment, spelling, reading, and writing skills. Also included is a study of linguistic variants in the Spanish language and of Spanish and Latin American literature, culture, and civilization.

1467	10:00am - 3:20pm	SAT	OH/ F227
1468	8:35am - 9:45am	MTWTh	OH/ F224
3826	6:45pm - 9:15pm	MW	OH/ F227

SUPERVISED LEARNING ASSISTANCE

Chair: Christina Anketell,
Mariposa Hall - MA-2xx, (213) 763-3741

SUPERVISED LEARNING ASSISTANCE 001T 0.00 Unit

SUPERVISED LEARNING ASSISTANCE (NDA) (RPT 9)

8951	20:00 hrs/wk	TBA	MA 109B
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FALL 2014 Class Schedule

SUPERVISION

Chair: Paulette Bailey,
Cedar Hall - CH/K-225, (213) 763-7269

SUPERVISION 003 3.00 Units

HUMAN RELATIONS (DEVELOPING SUPERVISORY LEADERSHIP)
Instruction will focus on those human relation skills the supervisory student needs to be well rounded and thoroughly prepared for a work environment characterized by economic volatility, constant change and a new level of competitiveness. This interpersonal skills approach places greater emphasis on the application of knowledge through practice, followed by feedback and reinforcement.

0190 1:30pm - 2:55pm MW CH/ K262

SUPERVISION 011 3.00 Units

ORAL COMMUNICATIONS

This course will focus on the basics of the oral communication process and how it is intertwined with the work of a supervisor. Students will plan, compose, and deliver oral presentations designed to strengthen verbal and nonverbal skills. Finally, the student will be exposed to the basic principles of management and supervision and how successful communication is fundamental to the success of supervisors.

0195 1:35pm - 3:00pm MW CH/ K262

SUPPLY WATER TECHNOLOGY

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

SUPPLY WATER TECHNOLOGY 001 3.00 Units

MODERN WATER WORKS I

This course provides instructions to water works design and operation for operators and others involved in the operation and design of water distribution systems. All major components of the distribution system including wells, storage reservoirs, pumps, water mains, valves, meters and fire hydrants are fully discussed.

4208 9:00am - 12:10pm SAT OH/ F208

SUPPLY WATER TECHNOLOGY 005 3.00 Units

WATER PURIFICATION II (POTABLE WATER)

This is an advanced course in water treatment covering public health, water quality control and operation and maintenance. The student is prepared for the Grade 3 Treatment Certification by the State Department of Health.

4209 1:00pm - 4:10pm SAT OH/ F208

TAILORING

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

TAILORING 250 2.00 Units

TAILORING TECHNIQUES I

Advisory: Fashion Design 222 or Fashion Design 111;
Training is offered in basic tailoring techniques. Students be instructed in welt pockets, hand tailored stitching, and finishing techniques. This course will consist of a basic and stylized tailored vest.

4315 lab 6:00pm - 9:10pm MW CY/ D331

TAILORING 251 2.00 Units

TAILORING TECHNIQUES II

Prerequisite: Tailoring 226 or Tailoring 250.
Students will receive training on trousers and casual men's style jackets. Instruction will include fly closures, welt pockets, and half linings, and jacket tailoring techniques.

4316 lab 6:00pm - 9:10pm MW CY/ D331

TAILORING 252 2.00 Units

TAILORING TECHNIQUES III

Prerequisite: Tailoring 227 or Tailoring 251.
Students receive training in tailored coats, men's style shirts. Instruction will include stylized seams, cold weather techniques.

4317 lab 6:00pm - 9:10pm MW CY/ D331

TAILORING 253 2.00 Units

TAILORING TECHNIQUES IV

Prerequisite: Tailoring 228 or Tailoring 252.
Students will receive instruction on man's style tailored jacket including inner construction using traditional tailoring techniques.

4318 lab 6:00pm - 9:10pm MW CY/ D331

TAILORING 255 2.00 Units

MEN'S PATTERN DRAFTING I

In this course students will learn the fundamentals of taking and using men's measurements for pattern making. Students will draft patterns for basic trousers, men's sport shirts, and a basic man's vest. Each pattern will be tested for fit.

7228 lab 8:35am - 3:05pm SAT CY/ D230

TAILORING 256 2.00 Units

MEN'S PATTERN DRAFTING II

This course in men's pattern making will introduce students to advanced styling including, jackets, and stylized pants. Students will make complete patterns for each element of a three piece suit.

7229 lab 8:35am - 3:05pm SAT CY/ D230

THEATER

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

THEATER 100 3.00 Units

INTRODUCTION TO THE THEATER (UC:CSU)

This course surveys the history of theater from the ancient Greek to modern times. Stage vocabulary, production crafts and acting techniques are introduced. Students will analyze how theater relates to motion pictures, television, and radio in contemporary American life, as well as compare themes in literature, compare and contrast adaptations of famous plays to their original written form and apply critical analysis to live dramatic productions.

1469 11:45am - 1:10pm TTh MH 308

3939 6:00pm - 9:10pm M MH 305

VISUAL COMMUNICATIONS

Chair: Carole Anderson,
Cypress Hall, CY/D222, (213) 763-3642

VISUAL COMMUNICATIONS 100 2.00 Units

GRAPHIC DESIGN I (CSU)

An introduction to the profession of Graphic Design. Projects will stress design basics, typography, the computer as a design tool, the basics of visual problem solving, and art production and advertising.

7253 7:00am - 7:45am TW SA/ H238

& lab 7:45am - 12:25pm TW SA/ H238

(8 Week Class - Starts 9/1/2014, Ends 10/24/2014)

FALL 2014 Class Schedule

VISUAL COMMUNICATIONS 103 **2.00 Units** **BASIC COMPUTER SYSTEMS (CSU)**

Introduction to using the Macintosh computer for graphic design. Students will learn basic computer functionality, with an emphasis on an understanding of the operations systems, configuration for use with graphic applications, file management and working in a network environment.

7254 7:00am - 7:45am ThF SA/ H238
& lab 7:45am - 12:25pm ThF SA/ H238

(8 Week Class - Starts 9/1/2014, Ends 10/24/2014)

VISUAL COMMUNICATIONS 105 **2.00 Units** **DIGITAL PREPRESS I (CSU)**

Beginning level course in the preparation of art for the reproduction process, and its application to the industries of Advertising and Graphic Design. Students will study the history of graphic design, typesetting, paste-up to digital prepress (in black and white and two color reproduction) as an emphasized focus within the course.

7255 7:00am - 7:45am TW SA/ H238
& lab 7:45am - 12:25pm TW SA/ H238

(8 Week Class - Starts 10/27/2014, Ends 12/21/2014)

VISUAL COMMUNICATIONS 106 **2.00 Units** **DRAWING I (CSU)**

Introduction to concepts of basic observational drawing, perspective and the principles of light and shade. Black and white and color mediums will be utilized.

7256 7:00am - 7:45am ThF SA/ H220
& lab 7:45am - 12:25pm ThF SA/ H220

(7 Week Class - Starts 10/27/2014, Ends 12/21/2014)

VISUAL COMMUNICATIONS 112 **2.00 Units** **DIGITAL PREPRESS II (CSU)**

Intermediate level course where students design and produce projects that utilize the Macintosh computer. Line art projects in single color and two colors are created in Adobe Illustrator. Technical processes for reproduction will be covered with instruction in the use of QuarkXPress.

7258 7:00am - 7:45am TW SA/ H209
& lab 7:45am - 12:25pm TW SA/ H209

(8 Week Class - Starts 9/1/2014, Ends 10/24/2014)

VISUAL COMMUNICATIONS 114 **2.00 Units** **DIGITAL TYPESETTING (CSU)**

Introduction of the principles of computer typesetting as a career. The course will cover the standards and guidelines used to set type for ads, brochures, and stationery. Proofreading and setting copy in multiple computer programs will be stressed.

7259 7:00am - 7:45am ThF SA/ H208
& lab 7:45am - 12:25pm ThF SA/ H208

(8 Week Class - Starts 9/1/2014, Ends 10/24/2014)

VISUAL COMMUNICATIONS 115 **2.00 Units** **GRAPHIC DESIGN II (CSU)**

Intermediate level course that will stress Graphic Design as a profession. Problems will emphasize the development of creativity, typography as communication, art production and the computer, and methods for developing brochures, ads and web pages.

7260 7:00am - 7:45am ThF SA/ H208
& lab 7:45am - 12:25pm ThF SA/ H208

(7 Week Class - Starts 10/27/2014, Ends 12/21/2014)

VISUAL COMMUNICATIONS 116 **2.00 Units** **THREE-DIMENSIONAL PACKAGE DESIGN (CSU)**

Introduction to the development of advertising concepts for magazines, television, and the internet. Use research, brainstorming and standard advertising methodology to plan, design and produce an advertising campaign.

7261 7:00am - 7:45am TW SA/ H208
& lab 7:45am - 12:25pm TW SA/ H208

(8 Week Class - Starts 10/27/2014, Ends 12/21/2014)

VISUAL COMMUNICATIONS 118 **2.00 Units** **DIGITAL DRAWING (CSU)**

Advisory: Visual Communications 103;
Basic training in computer illustration using the Adobe software application Illustrator. Toolbox familiarity and manipulation, menus items, and general skill application will constitute this beginning level course.

7262 7:00am - 8:00am M SA/ H238
& lab 8:00am - 11:30am M SA/ H238

VISUAL COMMUNICATIONS 119 **2.00 Units** **DIGITAL PAGE LAYOUT (CSU)**

Prerequisite: Visual Communications 103;
A hands on course in the use of the relevant industry pagination software.

These applications are used for designing brochures, ads, flyers, stationery, magazines, and books. Students will learn how to work seamlessly with other applications. Students will learn to set up and construct page layouts and how to use software applications as design tools. Students will learn how to specify type, set type for columns, work with spreads and long copy documents using fonts and photos. In addition, students will create spot illustration drawings and graphics. Preflight and final preparation of finished art work for printing.

7263 12:40pm - 3:05pm W SA/ H238

VISUAL COMMUNICATIONS 120 **2.00 Units** **DRAWING II (CSU)**

An advanced drawing course in which indoor and outdoor observational drawing concepts are linked with magazine and book publishing for the creation of cover art and feature article page layouts.

7264 7:00am - 7:45am TW SA/ H208
& lab 7:45am - 12:25pm TW SA/ H208

(8 Week Class - Starts 9/1/2014, Ends 10/24/2014)

VISUAL COMMUNICATIONS 124 **2.00 Units** **COMPUTER ILLUSTRATION I (CSU)**

An intermediate level course in digital picture making techniques. It combines the Adobe software applications "Illustrator" and "PhotoShop" for the creation of digital illustrations that include drawing, photo manipulations, and typography stylizations for advertising and editorial purposes.

7265 7:00am - 7:45am ThF SA/ H209
& lab 7:45am - 12:25pm ThF SA/ H209

(8 Week Class - Starts 9/1/2014, Ends 10/24/2014)

VISUAL COMMUNICATIONS 126 **2.00 Units** **PORTFOLIO DEVELOPMENT I (CSU)**

This is a course in the production of a finished portfolio; all course projects will be reviewed for portfolio consideration. Some projects will require reworking. Preparation of 10 completed works with preliminary developmental books culminates in a simulated job interview with Advisory Board members.

7267 7:00am - 7:45am TW SA/ H209
& lab 7:45am - 12:25pm TW SA/ H209

(8 Week Class - Starts 10/27/2014, Ends 12/21/2014)

FALL 2014 Class Schedule

VISUAL COMMUNICATIONS 127 DIGITAL PREPRESS III (CSU) 2.00 Units

An advanced course in digital prepress. Students will utilize photographic images, typography, and original artwork to create printing files for advertising and graphic design. Advanced Macintosh based theories will be covered to include Adobe Illustrator and Photoshop, and QuarkXPress.

7266 7:00am - 7:45am ThF SA/ H209
& lab 7:45am - 12:25pm ThF SA/ H209
(7 Week Class - Starts 10/27/2014, Ends 12/21/2014)

VISUAL COMMUNICATIONS 128 DESIGNING LOGOS AND TRADEMARKS (CSU) 2.00 Units

Introduction to the principles of trademark design and computer stationary production. Research, marketing, color theory, and corporate identity principles will be stressed. Logos, letterheads, business cards and envelopes will be designed for a variety of clients.

7268 11:40am - 2:00pm M SA/ H209

VISUAL COMMUNICATIONS 129 DIGITAL PHOTO MANIPULATION (CSU) 2.00 Units

An introductory course that concentrates on the software application Adobe Photoshop. Students will be instructed on how to use this application to create original art and graphics by manipulating scanned photography and other imagery.

7269 12:45pm - 1:45pm TTh SA/ H238
& lab 1:45pm - 3:00pm TTh SA/ H238

VISUAL COMMUNICATIONS 130 DRAWING III (CSU) 2.00 Units

An advanced drawing course in which quick observational drawings are refined in black and white and color mediums. Renderings, or more highly refined tonal work, will be performed in dry and wet mediums from indoor and outdoor locations.

7270 7:00am - 7:45am TW SA/ H208
& lab 7:45am - 12:25pm TW SA/ H208

(8 Week Class - Starts 9/1/2014, Ends 10/24/2014)

VISUAL COMMUNICATIONS 131 COMPUTER ILLUSTRATION II (CSU) 2.00 Units

An advanced course in digital picture-making techniques. It combines the Adobe software applications "Illustrator" and "Photoshop" for the creation of digital illustrations that include drawing, photo manipulations, and typography stylizations for advertising and editorial purposes.

7271 7:00am - 7:45am ThF SA/ H209
& lab 7:45am - 12:25pm ThF SA/ H209

(8 Week Class - Starts 9/1/2014, Ends 10/24/2014)

VISUAL COMMUNICATIONS 132 PORTFOLIO DEVELOPMENT II (CSU) 2.00 Units

An advanced course in the production of a finished portfolio. Preparation of 10 completed works with preliminary developmental books culminates in a simulated job interview with Advisory Board members.

7273 7:00am - 7:45am TW SA/ H209
& lab 7:45am - 12:25pm TW SA/ H209

(8 Week Class - Starts 10/27/2014, Ends 12/21/2014)

VISUAL COMMUNICATIONS 133 DIGITAL PORTFOLIO PREPARATION (CSU) 2.00 Units

7272 7:00am - 7:45am ThF SA/ H238
& lab 7:45am - 12:30pm ThF SA/ H238

(7 Week Class - Starts 10/27/2014, Ends 12/21/2014)

WASTEWATER TECHNOLOGY

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

WASTEWATER TECHNOLOGY 012 3.00 Units WASTEWATER OPERATIONS I

This course is a survey and introductory course into wastewater systems for operations and maintenance personnel. Administrative, engineering and laboratory personnel may benefit from this course.

4122 6:00pm - 9:10pm T OH/ F214

WASTEWATER TECHNOLOGY 017 3.00 Units WASTEWATER OPERATIONS VI

Public health, the environment, regulations, management/supervision and report writing as practiced in wastewater and water reclamation plants safety are covered.

4126 6:00pm - 9:10pm Th OH/ F223

WELDING GAS AND ELECTRIC

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

WELDING GAS AND ELECTRIC 100 3.00 Units METAL SCULPTURE I

Expand beginning welding skills and metal working techniques into an exploration of metal sculpture. This course covers hot and cold working of steel. Shielded metal arc welding, oxy-fuel and plasma arc cutting, weld design and finishing techniques. Technical skills will be emphasized through hands on instruction and practice. There will be opportunity for creative expression and practical application.

4808 8:00am - 9:25am SAT OH/F 151A
& lab 9:25am - 2:20pm SAT OH/ F156

WELDING GAS AND ELECTRIC 101 6.00 Units FLUX CORED ARC WELDING

This course provides instructions on the principles, equipment, welding techniques, mode of operations, and safety for flux cored arc welding used for structural steel. The course content follows the FCAW competencies published in American Welding Society Guide for the Training of Welding Personnel: Level I Entry. This course prepares student for the performance portion of the Los Angeles Department of Building and Safety Structural Steel Certified Field Welder Examination.

8009 lab 10:35am - 1:55pm MTWThF OH/ F150
& lec 2:00pm - 3:35pm M OH/ F150

WELDING GAS AND ELECTRIC 112 3.00 Units WELDING RELATED TECHNICAL INSTRUCTIONS I

This course will cover the principles of oxy-acetylene welding, brazing and cutting; safety, material selection, equipment assembly, fuels torch adjustments, and movements.

8202 8:30am - 10:05am MW OH/ F150

WELDING GAS AND ELECTRIC 113 3.00 Units APPLIED MATHEMATICS I

Elementary arithmetic problems related to welding technology and solutions of whole numbers, fractions, and decimals.

8203 8:30am - 10:05am TTh OH/ F150

WELDING GAS AND ELECTRIC 121 6.00 Units ELECTRIC WELDING I

Students perform basic manipulative exercises in electric welding using low alloy and mild steel materials in all positions, safety precautions, and fire prevention.

8220 8:30am - 10:05am F OH/ F150
& lab 10:35am - 1:45pm MTWThF OH/ F150

FALL 2014 Class Schedule

WELDING GAS AND ELECTRIC 124 **3.00 Units**
BLUEPRINT READING I

This course covers the principles of reading and interpreting basic industrial blueprints as applied to the welding trade.

8221 10:10am - 1:20pm T OH/ F150

WELDING GAS AND ELECTRIC 125 **3.00 Units**
APPLIED MATHEMATICS II

Prerequisite: Welding 111; Welding 112; Welding 113;
 Related mathematical problems in welding in project design and construction using the fundamental principles of algebra.

8222 10:10am - 1:20pm F OH/ F150

WELDING GAS AND ELECTRIC 131 **6.00 Units**
ELECTRIC WELDING II

This course will offer students an opportunity to prepare for certification testing in SMAW. There will be opportunities for improvement through supervised practice and individual coaching in SMAW technique.

8223 lab 7:00am - 10:10am MTWThF OH/ F151
 & lec 10:10am - 11:45am M OH/ F156

WELDING GAS AND ELECTRIC 132 **3.00 Units**
BLUEPRINT READING II

Prerequisite: Welding 113;
 The course covers the principles of lines, view, size, description, print formats, fasteners, and different types of fabrication drawings; review of industrial welding prints.

8224 2:00pm - 3:35pm MW OH/ F151

WELDING GAS AND ELECTRIC 133 **3.00 Units**
WELDING RELATED TECHNICAL INSTRUCTION III

The course places an emphasis on materials, design, assembly procedures, electrodes selection, equipment, welding joints, terminology, welding metallurgy, and preparation for AWS and ASME welding examination.

8225 2:00pm - 3:35pm TTh OH/ F151

WELDING GAS AND ELECTRIC 141 **6.00 Units**
ELECTRIC WELDING III

Students complete activities in sheet metal welding, cast iron welding, inert gas welding (MIG and TIG) and semi-automatic gas shielded welding.

8240 lab 7:00am - 10:10am MTWThF OH/ F151
 & 11:45am - 1:10pm M OH/ F156

WELDING GAS AND ELECTRIC 142 **3.00 Units**
INERT GAS WELDING (TIG & MIG)

The course covers principles in welding aluminum, stainless steel, carbon steel and the maintenance and operation of welding equipment.

8241 10:10am - 1:20pm Th OH/ F151

WELDING GAS AND ELECTRIC 143 **3.00 Units**
WELDING RELATED TECHNICAL INSTRUCTION IV

The course covers the principles and theory of operating semi-automatic gas shielded welding equipment and the metallurgy of metals.

8242 10:10am - 1:20pm W OH/ F151

WELDING GAS AND ELECTRIC 201A **1.00 Unit**
WELDING-GAS AND ELECTRIC I

Basic manipulative exercises in electric welding using low alloy and mild steel materials in all positions, safety precautions, and fire prevention.

4802 lab 6:00pm - 9:10pm M OH/ F156
 4807 lab 6:00pm - 9:10pm T OH/ F156

WELDING GAS AND ELECTRIC 201B **1.00 Unit**
WELDING-GAS AND ELECTRIC I

This course will offer students an opportunity to prepare for certification testing in SMAW. There will be opportunities for improvement through supervised practice and individual coaching in SMAW technique.

4803 lab 6:00pm - 8:10pm M OH/ F156
 4804 lab 6:00pm - 9:10pm T OH/ F156

WELDING GAS AND ELECTRIC 210 **2.00 Units**
METAL SCULPTING LABORATORY

Prerequisite: Welding 100.
 Expand beginning welding skills and metal working techniques into an exploration of metal sculpture.

4806 lab 8:00am - 2:30pm SAT OH/ F156

WELDING GAS AND ELECTRIC 941 **4.00 Units**
COOPERATIVE EDUCATION - WELDING GAS AND ELECTRIC

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.

9256 4:25 hrs/wk TBA CY/ D236

FALL 2014 Class Schedule



The Weekend College

A Program of Los Angeles Community College District

8 WEEK CLASSES

Saturdays at Southwest & City Colleges
Sundays at Pierce & Valley Colleges
First college is AM / Second PM

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

SUMMER 2014

June 16 – August 3

Classes	Section	Saturday Campus	Sunday Campus
Anthropology 102	7255	C/SW	P/V
Economics 1	7256	C/SW	P/V
English 101	7257	C/SW	P/V
English 102	7258	C/SW	P/V
Health 11	7259	C/SW	P/V
History 11	7260	SW/C	V/P
Math 125	7261	SW/C	V/P
Philosophy 1	7262	SW/C	V/P
Political Science 1	7263	SW/C	V/P
Psychology 1	7264	SW/C	V/P

Saturday class meetings: June 21 - August 2

Sunday class meetings: June 22 - August 3

Last Day To: ADD classes, June 23, with instructor approval

Drop without incurring fees: June 24

Drop without receiving a "W": June 24

FALL 2014 Session A

September 1 – October 26

Classes	Section	Saturday Campus	Sunday Campus
Anthropology 101	7267	C/SW	P/V
Economics 1	7268	C/SW	P/V
English 101	7269	C/SW	P/V
Health 11	7270	C/SW	P/V
History 11	7271	C/SW	P/V
Math 125	7272	SW/C	V/P
Philosophy 1	7273	SW/C	V/P
Political Science 1	7274	SW/C	V/P
Psychology 1	7275	SW/C	V/P

Saturday class meetings: September 6 - October 25

Sunday class meetings: September 7 - October 26

Last Day To: ADD classes, September 9, with instructor approval

Drop without incurring fees: September 10, 2014

Drop without receiving a "W": September 10, 2014

FALL 2014 Session B

October 27 – December 21

Classes	Section	Saturday Campus	Sunday Campus
Anthropology 102	7276	C/SW	P/V
English 101	7277	C/SW	P/V
English 102	7278	C/SW	P/V
Health 11	7279	C/SW	P/V
History 12	7280	C/SW	P/V
Math 227	7281	SW/C	V/P
Political Science 1	7282	SW/C	V/P
Psychology 41	7283	SW/C	V/P
Sociology 1	7284	SW/C	V/P

Saturday class meetings: November 1 - December 20

Sunday class meetings: November 2 - December 21

Last Day To: ADD classes, November 4, with instructor approval

Drop without incurring fees: November 5, 2014

Drop without receiving a "W": November 5, 2014

Accuracy Statement:

The Los Angeles Community College District and Los Angeles Trade-Technical College have made every effort to make this schedule accurate and may, without notice, change general information, courses, or programs offered. The reasons for change may include student enrollment, level of funding, or other issues decided by the district or college. The district and college also reserve the right to add, change, or cancel any rules, regulations, policies and procedures as provided by law.

Please refer to the electronic version of the schedule for up-to-date/current schedule information.

www.lattc.edu/pls/trade11/sc.fall

Material available in alternate media format upon request.

