Fall 2015

Class Schedule

August 31 - December 19

LOS ANGELES TRADE-TECH

LATTC

A Community College

90TH ANNIVERSARY

Fall 2015 Class Schedule

ACCOUNTING

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

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/ K322
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	8:00am - 1:20pm	Sat	CH/ K304
3002	**6:00pm - 8:30pm**	**MW**	**CH/ K304**

ACCOUNTING 021 **3.00 Units**
BOOKKEEPING AND ACCOUNTING I (UC:CSU)
Advisory: Business 38.
This course includes fundamentals of double entry bookkeeping; preparation of the trial balance; worksheets and financial statement; use of controlling accounts; the control of cash and bank reconciliation statements. Students may complete a mercantile firm practice set.

0103	**6:00pm - 7:25pm**	**TTh**	**CH/ K210**

ADMINISTRATION OF JUSTICE

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

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**

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**

ADMINISTRATION OF JUSTICE 501 **3.00 Units**
AN A TO Z GUIDE TO CRIMINAL JUSTICE CAREERS (CSU)
This course reviews the hot jobs in the criminal justice arena 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 Local, State, and Federal Criminal Justice Careers will be presented.

4653	**6:00pm - 9:10pm**	**Th**	**AH/T E312**

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 E312**

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	8:00am - 10:05am	MW	MH 309
0763	8:00am - 12:15pm	Sat	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 lec 8:00am - 10:05am MW A.S. CORNEAL MH 305

3501	**6:00pm - 8:05pm**	**TTh**	**MH 309**
3502	**6:00pm - 8:05pm**	**MW**	**MH 305**

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 5
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 - 12:30pm	MW	CH/ K406
& lab	12:40pm - 2:10pm	MW	CH/ K468
1634	2:20pm - 3:50pm	MW	CH/ K406
& lab	**4:00pm - 5:30pm**	**MW**	**CH/ K468**
4056	8:00am - 11:10am	Sat	CH/ K468
& lab	12:00pm - 3:10pm	Sat	CH/ K422
4097	**6:00pm - 9:10pm**	**T**	**CH/ K468**
& lab	**6:00pm - 9:10pm**	**Th**	**CH/ K468**

ANTHROPOLOGY

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

ANTHROPOLOGY 101 **3.00 Units**
HUMAN BIOLOGICAL EVOLUTION (UC:CSU)
Advisory: English 28.
This course is an introduction to the field of biological anthropology. Topics covered include genetic inheritance, the mechanisms of evolution, the biology and behavior of living primates, the history of human evolution as seen in the fossil record, and modern human biological variation.

1000	8:35am - 10:00am	MW	AH/T E315
1001	11:45am - 1:10pm	MW	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

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

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	RH/ C109
& lab	8:05am - 9:35am	TTh	RH/ C109

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 identities technological innovation that characterized the historical roots in numerous civilizations.

8021	12:45pm - 1:50pm	MW	RH/ C107

ARCHITECTURE 152 **3.00 Units**
EQUIPMENT OF BUILDINGS (CSU)
Using geospatial tools and sustainable strategies this course applies the basic principles of design, selection and operation of equipment in buildings. Building 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	RH/ C107
& lab	10:50am - 12:20pm	TTh M. OLIVA	RH/ C107

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	RH/ C107
& lab	10:50am - 12:20pm	MW	RH/ C107

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	RH/ C107
& lab	8:05am - 9:35am	TTh	RH/ C107

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	RH/ C109
& lab	10:50am - 12:20pm	MW	RH/ C109

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	11:45am - 1:10pm	MW	MH 308
3849	**6:00pm - 9:10pm**	**M**	**MH 309**

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

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

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
& lab	9:05am - 10:05am	TTh	MH 309
1431	8:00am - 10:05am	MW	MH 305
& lab	10:05am - 12:10pm 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
& lab	11:10am - 12:15pm TTh	MH 309

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	AH/T E107
1602	10:10am - 11:35am	TTh	CH/ K406
4045	**5:15pm - 6:40pm**	**TTh**	**CH/ K420**
4047	**6:00pm - 9:10pm**	**W**	**CH/ K406**

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

1603 lab	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 inquires.

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	**5:30pm - 6:20pm**	**TTh**	**OH/ F128**
& lab	**6:30pm - 9:30pm**	**TTh**	**OH/ F128**
7301	7:00am - 7:50am	MTWThF	OH/ F122
& lab	7:50am - 12:00pm	MTWThF	OH/ F106
(5 Week Class - Starts 10/5/2015, Ends 11/6/2015)			
7308	12:30pm - 1:20pm	TTh	OH/ F128
& lab	1:20pm - 4:40pm	TTh	OH/ F128
7490	7:00am - 7:50am	MTWThF	OH/ F120
& lab	7:50am - 12:00pm	MTWThF	OH/ F106
(6 Week Class - Starts 11/9/2015, Ends 12/20/2015)			

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	**5:30pm - 6:30pm**	**MW**	**OH/ F130**
& lab	**6:30pm - 9:30pm**	**MW**	**OH/ F130**
7338	7:00am - 7:50am	MTWThF	OH/ F130
& lab	7:50am - 12:00pm	MTWThF	OH/ F130
(5 Week Class - Starts 8/31/2015, Ends 10/2/2015)			
7339	7:00am - 7:50am	MTWThF	OH/ F130
& lab	7:50am - 12:00pm	MTWThF	OH/ F130
(5 Week Class - Starts 10/5/2015, Ends 11/6/2015)			
7340	7:00am - 7:50am	MTWThF	OH/ F130
& lab	7:50am - 12:00pm	MTWThF	OH/ F130
(6 Week Class - Starts 11/9/2015, Ends 12/20/2015)			

AUTOMOTIVE AND RELATED TECHNOLOGY 114 3.00 Units
STEERING, SUSPENSION, BRAKES, PRINCIPLES AND PRACTICES (CSU)
This course provides instruction in the theory, design, principles, diagnostics, and proper system service of automotive brake, suspension, and steering systems.

4385	**5:30pm - 6:30pm**	**MW**	**OH/ F116**
& lab	**6:30pm - 9:30pm**	**MW**	**OH/ F108**
7353	7:00am - 7:50am	MTWThF	OH/ F108
& lab	7:50am - 12:00pm	MTWThF	OH/ F108
(5 Week Class - Starts 8/31/2015, Ends 10/2/2015)			
7354	7:00am - 7:50am	MTWThF	OH/ F108
& lab	7:50am - 12:00pm	MTWThF	OH/ F108
(6 Week Class - Starts 11/9/2015, Ends 12/20/2015)			
7355	7:00am - 7:50am	MTWThF	OH/ F108
& lab	7:50am - 12:00pm	MTWThF	OH/ F108
(5 Week Class - Starts 10/5/2015, Ends 11/6/2015)			

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

7302	7:00am - 7:50am	MTWThF	OH/ F122
& lab	7:50am - 12:00pm	MTWThF	OH/ F122
(6 Week Class - Starts 11/9/2015, Ends 12/20/2015)			
7341	7:30am - 8:30am	Sat	OH/ F120
& lab	8:35am - 3:15pm	Sat	OH/ F120
7342	7:00am - 7:50am	MTWThF	OH/ F122
& lab	7:50am - 12:00pm	MTWThF	OH/ F122
(5 Week Class - Starts 8/31/2015, Ends 10/2/2015)			
7348	12:30pm - 1:20pm	TTh	OH/ F120
& lab	1:20pm - 4:40pm	TTh	OH/ F106

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	**5:30pm - 6:30pm**	**MW**	**OH/ F128**
& lab	**6:30pm - 9:30pm**	**MW**	**OH/ F128**
7343	7:00am - 7:50am	MTWThF	OH/ F128
& lab	7:50am - 12:00pm	MTWThF	OH/ F128
(5 Week Class - Starts 8/31/2015, Ends 10/2/2015)			
7349	7:00am - 7:50am	MTWThF	OH/ F128
& lab	7:50am - 12:00pm	MTWThF	OH/ F128
(5 Week Class - Starts 10/5/2015, Ends 11/6/2015)			

AUTOMOTIVE AND RELATED TECHNOLOGY 123 3.00 Units

FUEL & EMISSIONS SYSTEMS THEORY, INSPECTION & REPAIR (CSU)

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

4390	**5:30pm - 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 8/31/2015, Ends 10/2/2015)			
7350	7:00am - 7:50am	MTWThF	OH/ F116
& lab	7:50am - 12:00pm	MTWThF J.L. RAMIREZ	OH/ F108
(6 Week Class - Starts 11/9/2015, Ends 12/20/2015)			

AUTOMOTIVE AND RELATED TECHNOLOGY 130 3.00 Units

AUTOMOTIVE THEORY AND REPAIR I (CSU)

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

7358	7:00am - 7:50am	MTWThF	OH/ F120
& lab	7:50am - 12:00pm	MTWThF	OH/ F106
(5 Week Class - Starts 8/31/2015, Ends 10/2/2015)			

AUTOMOTIVE AND RELATED TECHNOLOGY 131 3.00 Units

AUTOMOTIVE THEORY AND REPAIR II

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

4387	**5:30pm - 6:30pm**	**TTh**	**OH/ F116**
& lab	**6:30pm - 9:30pm**	**TTh**	**OH/ F108**
7360	7:00am - 7:50am	MTWThF	OH/ F120
& lab	7:50am - 12:00pm	MTWThF	OH/ F106
(5 Week Class - Starts 10/5/2015, Ends 11/6/2015)			

AUTOMOTIVE AND RELATED TECHNOLOGY 135 3.00 Units

COMPUTER CONTROL AND FUEL INJECTION (CSU)

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

7356	7:00am - 7:50am	MTWThF	OH/ F116
& lab	7:50am - 12:00pm	MTWThF	OH/ F108
(5 Week Class - Starts 10/5/2015, Ends 11/6/2015)			
7357	7:00am - 7:50am	MTWThF	OH/ F128
& lab	7:50am - 12:00pm	MTWThF	OH/ F104
(6 Week Class - Starts 11/9/2015, Ends 12/20/2015)			

AUTOMOTIVE AND RELATED TECHNOLOGY 140 3.00 Units

AUTOMOTIVE THEORY AND REPAIR IV (CSU)

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

7364	7:00am - 7:50am	MTWThF	OH/ F124
& lab	7:50am - 12:00pm	MTWThF	OH/ F104
(5 Week Class - Starts 8/31/2015, Ends 10/2/2015)			

AUTOMOTIVE AND RELATED TECHNOLOGY 141 3.00 Units

AUTOMOTIVE THEORY AND REPAIR V (CSU)

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

7365	7:00am - 7:50am	MTWThF	OH/ F124
& lab	7:50am - 12:00pm	MTWThF	OH/ F104
(5 Week Class - Starts 10/5/2015, Ends 11/6/2015)			

AUTOMOTIVE AND RELATED TECHNOLOGY 142 3.00 Units

AUTOMOTIVE THEORY AND REPAIR VI (CSU)

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

7366	7:00am - 7:50am	MTWThF	OH/ F124
& lab	7:50am - 12:00pm	MTWThF	OH/ F104
(6 Week Class - Starts 11/9/2015, Ends 12/20/2015)			

AUTOMOTIVE AND RELATED TECHNOLOGY 941 4.00 Units

COOPERATIVE EDUCATION - AUTOMOTIVE AND RELATED TECHNOLOGY

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

9024	4:25 hrs/wk	TBA	OH/ F214

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.

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

4870	**6:00pm - 6:30pm**	**MW**	**OH/ F132**
& lab	**6:30pm - 9:45pm**	**MW**	**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 an emphasis placed on mixing methods. The role of leavening agents, starches, chemical reactions of ingredients and the effect on heat and cold on products. Recipe and menu development, including ingredient selection will be discussed.

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

(8 Week Class - Starts 10/27/2015, Ends 12/17/2015)

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 9/1/2015, Ends 10/23/2015)

BAKING, PROFESSIONAL 121 **6.00 Units**
BEGINNING YEAST BREADS AND QUICKBREADS
Prerequisite: Professional Baking 112 and Culinary Arts 112.
Class introduces student to volume lean & rich yeast bread and quick bread production with an emphasis on flour usage, chemical and natural leavening agents, as well as fat and sugar ingredient identification. Speed, accuracy, and increased productivity are stressed along with preparation of a variety of bread products up to industry standards.

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

(8 Week Class - Starts 8/31/2015, Ends 10/23/2015)

BAKING, PROFESSIONAL 122 **6.00 Units**
ARTESIAN BREADS, SPECIALTY BREADS
Recognize formulas and demonstrate the ability to alter formulas in yeast, rolled-in, and quick bread formulas central to this class. View bread baking from an artisan'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 lab	6:45am - 10:25am	MTWTh	SA/ H315
&	10:25am - 12:35pm	MTWTh	SA/ H301

(8 Week Class - Starts 10/26/2015, Ends 12/17/2015)

BAKING, PROFESSIONAL 131 **6.00 Units**
PLATED RESAURANT STYLE DESSERTS
Prerequisite: Professional Baking 112; Professional Baking 121; Professional Baking 122; Culinary Arts 112;
The course covers a wide range of baking techniques and topics with concentration on the composition of restaurant style plated desserts made up of a number of components.

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

(8 Week Class - Starts 8/31/2015, Ends 10/23/2015)

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 10/26/2015, Ends 12/17/2015)

BAKING, PROFESSIONAL 141 **6.00 Units**
ADVANCED BAKING CENTERPIECE AND DECORATING TECHNIQUES
Prerequisite: Professional Baking 112; Professional Baking 121; Professional Baking 122; Professional Baking 131; Professional Baking 132; Culinary Arts 111; Culinary Arts 112 ;
This class applies procedures and techniques for preparing advanced decorative bakery items for display in a professional food service facility. Students will prepare and demonstrate various advanced techniques including: Molded and tempered chocolate show pieces, marzipan, nougatine, pastillage, pulled and molded sugar, wedding and other occasional cakes, rolled and poured fondant, and gum paste will be prepared and evaluated.

7546 lab	6:30am - 10:25am	MTWTh	SA/ H315
&	10:25am - 12:35pm	MTWTh	SA/ H330

(8 Week Class - Starts 10/26/2015, Ends 12/17/2015)

BARBERING

BARBERING 113 **6.00 Units**
FRESHMAN BARBERING I
The beginning course includes sanitation, client protection, scalp treatments, shampooing, hair cutting, finger waves, curl constructions, and manicuring.

7010	2:00pm - 3:25pm	MWTh	MH 138
& lab	**3:25pm - 7:50pm**	**MWTh**	**MH 237**
&	2:00pm - 3:25pm	T	MH 138
& lab	**3:25pm - 7:50pm**	**T**	**MH 237**
& lab	2:00pm - 6:05pm	F	MH 237

(8 Week Class - Starts 8/31/2015, Ends 10/22/2015)

BARBERING 114 **6.00 Units**

FRESHMAN BARBERING II
Prerequisite: Barbering 113.
Beginning course with plain facials, permanent waving techniques, hair cutting with a razor and clippers and thermal texture hair styling.

7011	2:00pm - 3:25pm	MW	MH 138
& lab	**3:25pm - 7:50pm**	**MW**	**MH 237**
&	2:00pm - 3:25pm	T	MH 138
& lab	**3:25pm - 7:50pm**	**T**	**MH 237**
&	2:00pm - 3:25pm	Th	MH 138
& lab	**3:25pm - 7:50pm**	**Th**	**MH 237**
& lab	2:00pm - 6:05pm	F	MH 237

(7 Week Class - Starts 10/26/2015, Ends 12/18/2015)

BASIC SKILLS

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

BASIC SKILLS 002CE **0.00 Unit**

BASIC ENGLISH SKILLS (NDA) (RPT 9)
Basic listening, reading, speaking, and writing skills for students with minimum English language skills.

5704	**5:15pm - 6:45pm**	**MTWTh**	**OH/ F209**
(8 Week Class - Starts 8/31/2015, Ends 10/23/2015)			
5705	**5:15pm - 6:45pm**	**MTWTh**	**OH/ F209**
(8 Week Class - Starts 10/26/2015, Ends 12/20/2015)			
5707	7:00am - 8:30am	MTWTh	OH/ F209
(8 Week Class - Starts 10/26/2015, Ends 12/20/2015)			
8704	8:00am - 9:30am	MTWTh	OH/ F209
(8 Week Class - Starts 8/31/2015, Ends 10/23/2015)			
8705	1:15pm - 2:45pm	MTWTh	OH/ F209
(8 Week Class - Starts 8/31/2015, Ends 10/23/2015)			
8706	9:45am - 11:15am	MTWTh	OH/ F209
(8 Week Class - Starts 10/26/2015, Ends 12/20/2015)			
8707	**3:00pm - 4:30pm**	**MTWTh**	**OH/ F209**
(8 Week Class - Starts 10/26/2015, Ends 12/20/2015)			
8708	8:00am - 9:30am	MTWTh	MA 109N
(8 Week Class - Starts 8/31/2015, Ends 10/23/2015)			
8709	1:15pm - 2:45pm	MTWTh	MA 109N
(8 Week Class - Starts 8/31/2015, Ends 10/23/2015)			
8710	9:45am - 11:15am	MTWTh	MA 109N
(8 Week Class - Starts 10/26/2015, Ends 12/20/2015)			
8711	**3:00pm - 4:30pm**	**MTWTh**	**MA 109N**
(8 Week Class - Starts 10/26/2015, Ends 12/20/2015)			

BASIC SKILLS 023CE **0.00 Unit**

COLLEGE AND SCHOLASTIC ASSESSMENT PREPARATION (NDA) (RPT 9)
This course provides students with study, computational, writing, and critical thinking skills to prepare for the college assessment test.

8700	3:00 hrs/wk	TBA	OH/ F209
(8 Week Class - Starts 8/31/2015, Ends 10/23/2015)			
8701			OH/ F209
(8 Week Class - Starts 10/26/2015, Ends 12/20/2015)			
8702	4:00 hrs/wk	TBA	MA 109N
(8 Week Class - Starts 10/26/2015, Ends 12/20/2015)			
8703	4:00 hrs/wk	TBA	MA 109N
8764	4:00 hrs/wk	TBA	MA 109N
(8 Week Class - Starts 8/31/2015, Ends 10/23/2015)			
8765	4:00 hrs/wk	TBA -	CY/ D200
(8 Week Class - Starts 8/31/2015, Ends 10/23/2015)			
8766	4:00 hrs/wk	TBA -	CY/ D200
(8 Week Class - Starts 10/26/2015, Ends 12/20/2015)			
8808	4:00 hrs/wk	TBA -	TBA
8820	4:00 hrs/wk	TBA -	MA 109A-1
8823	4:00 hrs/wk	TBA -	MA 109A-2
(8 Week Class - Starts 8/31/2015, Ends 10/23/2015)			
8824	4:00 hrs/wk	TBA -	MA 109A-2
(8 Week Class - Starts 10/26/2015, Ends 12/20/2015)			

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.

5708	**7:00pm - 7:30pm**	**MTWTh**	**OH/ F209**
& lab	**7:30pm - 8:30pm**	**MTWTh**	**OH/ F209**
5709	**7:00pm - 7:30pm**	**MTWTh**	**OH/ F209**
& lab	**7:30pm - 8:30pm**	**MTWTh**	**OH/ F209**
(8 Week Class - Starts 10/26/2015, Ends 12/20/2015)			
5710	7:00am - 7:30am	MTWTh	MA 109N
& lab	7:30am - 8:30am	MTWTh	MA 109N
(8 Week Class - Starts 8/31/2015, Ends 10/23/2015)			
5711	**5:15pm - 5:45pm**	**MTWTh**	**MA 109N**
& lab	**5:45pm - 6:45pm**	**MTWTh**	**MA 109N**
(8 Week Class - Starts 10/26/2015, Ends 12/20/2015)			
8713	9:45am - 10:15am	MTWTh	OH/ F209
& lab	10:15am - 11:15am	MTWTh	OH/ F209
(8 Week Class - Starts 8/31/2015, Ends 10/23/2015)			
8714	**3:00pm - 3:30pm**	**MTWTh**	**OH/ F209**
& lab	**3:30pm - 4:30pm**	**MTWTh**	**OH/ F209**
(8 Week Class - Starts 8/31/2015, Ends 10/23/2015)			
8715	8:00am - 8:30am	MTWTh	OH/ F209
& lab	8:30am - 9:30am	MTWTh	OH/ F209
(8 Week Class - Starts 10/26/2015, Ends 12/20/2015)			
8716	1:15pm - 1:45pm	MTWTh	OH/ F209
& lab	1:45pm - 2:45pm	MTWTh	OH/ F209
(8 Week Class - Starts 8/31/2015, Ends 10/23/2015)			
8717	9:45am - 10:15am	MTWTh	MA 109N
& lab	10:15am - 11:15am	MTWTh	MA 109N
(8 Week Class - Starts 8/31/2015, Ends 10/23/2015)			
8718	**3:00pm - 3:30pm**	**MTWTh**	**MA 109N**
& lab	**3:30pm - 4:30pm**	**MTWTh**	**MA 109N**
(8 Week Class - Starts 8/31/2015, Ends 10/23/2015)			
8719	8:00am - 8:30am	MTWTh	MA 109N
& lab	8:30am - 9:30am	MTWTh	MA 109N
(8 Week Class - Starts 10/26/2015, Ends 12/20/2015)			
8720	1:15pm - 1:45pm	MTWTh	MA 109N
& lab	1:45pm - 2:45pm	MTWTh	MA 109N
(8 Week Class - Starts 10/26/2015, Ends 12/20/2015)			

BASIC SKILLS 060CE **0.00 Unit**

BASIC COMPUTER LITERACY (NDA) (RPT 9)
This course introduces basic computer components and functions including computer hardware, software, using the internet, operating systems, and software applications, (e.g. word processing, spreadsheets, email and communications).

8767	11:30am - 1:00pm	MW	CH/ K304
& lab	11:30am - 1:00pm	TTh	CH/ K304
(8 Week Class - Starts 8/31/2015, Ends 10/23/2015)			
8768	11:30am - 1:00pm	MW	CH/ K304
& lab	11:30am - 1:00pm	TTh	CH/ K304
(8 Week Class - Starts 10/26/2015, Ends 12/20/2015)			
8769	1:45pm - 3:15pm	MW	CH/ K305
& lab	1:45pm - 3:15pm	TTh	CH/ K305
(8 Week Class - Starts 8/31/2015, Ends 10/23/2015)			
8770	1:45pm - 3:15pm	MW	CH/ K304
& lab	1:45pm - 3:15pm	TTh	CH/ K304
(8 Week Class - Starts 10/26/2015, Ends 12/20/2015)			

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.

8936	9:00 hrs/wk	TBA -	TBA
(3 Week Class - Starts 11/12/2015, Ends 12/2/2015)			

8937 9:00 hrs/wk TBA - TBA
(2 Week Class - Starts 12/9/2015, Ends 12/19/2015)
8938 lec 9:00 hrs/wk TBA - STAFF TBA
(1 Week Class - Starts 12/11/2015, Ends 12/11/2015)

BASIC SKILLS 073CE **0.00 Unit**
INDUSTRY OVERVIEW AND CAREER OPPORTUNITIES (NDA)
This course provides students with the basic information about the targeted industry and sectors they are focused on for their career; including essential facts, key institutions, history, career pathways and trends. This course provides students with the basic research and networking skills to become well-informed job seekers so they can effectively prepare for their career and become employed.
8771 9:00am - 10:20am MW TBA
(8 Week Class - Starts 8/31/2015, Ends 10/23/2015)
8772 9:00am - 10:20am MW TBA
(8 Week Class - Starts 10/26/2015, Ends 12/20/2015)
8773 10:30am - 12:30pm F TBA
(8 Week Class - Starts 8/31/2015, Ends 10/23/2015)
8774 10:30am - 12:30pmF TBA
(7 Week Class - Starts 10/26/2015, Ends 12/20/2015)

BASIC SKILLS 075CE **0.00 Unit**
INTRODUCTION TO POST-SECONDARY EDUCATION (NDA) (RPT 9)
This course introduces students to the opportunities and benefits post-secondary education offers them. This course helps dispel many of the myths and reduce information overload that may discourage students and their caregivers from applying to and attending post-secondary education institutions. Students will learn tips and strategies that will help them select and successfully apply to and enroll in post-secondary institutions that best fit their education and career goals and needs.
8775 9:00am - 11:15am MTWTh CH/ K304
(1 Week Class - Starts 8/31/2015, Ends 9/4/2015)
8776 9:00am - 11:15am MTWTh CH/ K304
(1 Week Class - Starts 9/14/2015, Ends 9/18/2015)
8777 9:00am - 11:15am MTWTh CH/ K304
(1 Week Class - Starts 9/21/2015, Ends 9/25/2015)
8778 9:00am - 11:15am MTWTh CH/ K305
(1 Week Class - Starts 9/28/2015, Ends 10/2/2015)
8779 9:00am - 11:15am MTWTh CH/ K304
(1 Week Class - Starts 10/5/2015, Ends 10/9/2015)
8780 9:00am - 11:15am MTWTh CH/ K304
(1 Week Class - Starts 10/12/2015, Ends 10/16/2015)
8781 9:00am - 11:15am MTWTh CH/ K304
(1 Week Class - Starts 10/19/2015, Ends 10/23/2015)
8782 9:00am - 11:15am MTWTh CH/ K304
(1 Week Class - Starts 10/26/2015, Ends 10/30/2015)
8783 9:00am - 11:15am MTWTh CH/ K304
(1 Week Class - Starts 11/2/2015, Ends 11/6/2015)
8784 9:00am - 11:15am MTWTh CH/ K304
(1 Week Class - Starts 11/16/2015, Ends 11/20/2015)
8785 9:00am - 11:15am MTWTh CH/ K304
(1 Week Class - Starts 11/30/2015, Ends 12/4/2015)
8786 9:00am - 11:15am MTWTh CH/ K304
(1 Week Class - Starts 12/7/2015, Ends 12/11/2015)
8787 9:00am - 11:15am MTWTh CH/ K304
(1 Week Class - Starts 12/14/2015, Ends 12/18/2015)

BASIC SKILLS 077CE **0.00 Unit**
FUNDAMENTAL FOR WORKPLACE SUCCESS - TEAMWORK (NDA)
This course will prepare students to successfully collaborate and work effectively with their colleagues and co-workers in diverse settings by strengthening their employability, interpersonal and leadership skills. Students will gain insights about themselves and learn new tools and strategies that optimize their strengths and help them increase their effectiveness and efficiency at work.
8789 8:00am - 12:30pm F OH/ F228
(8 Week Class - Starts 10/22/2015, Ends 12/20/2015)

BASIC SKILLS 078CE **0.00 Unit**
FUNDAMENTALS FOR WORKPLACE SUCCESS II -EFFECTIVE COMMUNICATION AND LEADERSHIP SKILLS (NDA)
This course gives students the opportunity to develop their listening, communication and leadership skills appropriate for the workplace in a supportive and interactive environment. Students will be introduced to skills that can help them become active, purposeful listeners and more effective communicators and leaders for career success.
8826 2:00 hrs/wk TBA MA 109A-3
(10 Week Class - Starts 10/12/2015, Ends 12/20/2015)

BIOLOGY

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

BIOLOGY 003 **4.00 Units**
INTRODUCTION TO BIOLOGY (UC:CSU)
This is an introductory course dealing with the fundamental properties of living things. The structure and physiology of plants and animals, with emphasis on humans, are covered. Relationships between biological communities, genetics, and evolution are stressed.

1610	7:30am - 9:00am	MW	CH/ K468
& lab	9:10am - 10:35am	MW	MH 309
1611	12:00pm - 1:30pm	TTh	CH/ K321
& lab	1:40pm - 3:10pm	TTh	CH/ K408
1612	8:00am - 9:30am	TTh	CH/ K408
& lab	9:40am - 11:10am	TTh	CH/ K321
1615	2:45pm - 5:55pm	T	CH/ K468
& lab	2:45pm - 5:55pm	Th	CH/ K468
1616	8:00am - 11:10am	Sat	CH/ K408
& lab	12:00pm - 3:10pm	Sat	CH/ K422
1617	11:00am - 12:30pm MW	TBA	
& lab	12:40pm - 2:10pm	MW	CH/ K408
1618	8:00am - 11:10am	F	CH/ K408
& lab	12:00pm - 3:10pm	F	TBA
1619	8:20am - 11:30am	F	TBA
& lab	12:00pm - 3:10pm	F	CH/ K408
4050	**6:00pm - 7:30pm**	**TTh**	**CH/ K468**
& lab	**7:40pm - 9:10pm**	**TTh**	**CH/ K468**
4051	**6:00pm - 7:30pm**	**TTh**	**CH/ K408**
& lab	**7:40pm - 9:10pm**	**TTh**	**CH/ K321**
4052	**6:00pm - 9:10pm**	**M**	**CH/ K420**
& lab	**6:00pm - 9:10pm**	**W**	**CH/ K420**
4096	**6:00pm - 9:10pm**	**M**	**CH/ K468**
& lab	**6:00pm - 9:10pm**	**W**	**CH/ K468**
4140	8:00am - 11:10am	Sat	CH/ K422
& lab	12:00pm - 3:10pm	Sat	CH/ K468

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	12:40pm - 2:10pm	MW	TBA
& lab	2:20pm - 3:50pm	MW	CH/ K468
1620	11:30am - 1:00pm	TTh	CH/ K406
& lab	1:10pm - 2:40pm	TTh	CH/ K468
1640	8:00am - 9:30am	TTh	CH/ K468
& lab	9:40am - 11:10am	TTh	OH/ F224
1641	9:00am - 12:10pm	F	CH/ K324
& lab	12:30pm - 3:40pm	F	CH/ K468

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 - 10:35am	MW	CH/ K422
& lab	10:40am - 12:15pm MW		CH/ K468
& lab	9:00am - 12:15pm	F	CH/ K468

BIOTECHNOLOGY

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

BIOTECHNOLOGY 010 **4.00 Units**
INTRODUCTION TO BIOMANUFACTURING I

4079	7:30am - 10:40am	Sat	TBA
& lab	11:15am - 2:25pm	Sat	TBA

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

BUILDING CONSTRUCTION TECHNIQUES 008 **1.00 Unit**
WEALTHERIZATION-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

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/ B302**

BUILDING CONSTRUCTION TECHNIQUES 011 **4.00 Units**
CADD FOR SUSTAINABLE LANDSCAPE DESIGN
This course covers the use of computer Aided Design/Drafting (CADD) applications specific to landscape professionals, including the introduction to CADD skills, block functions, Internet applications, three-dimensional design, presentation drawings, building systems, working drawings, and working drawing coordination.

4824	8:00am - 9:30am	Sat	SQ/ B203
& lab	9:30am - 2:30pm	Sat	SQ/ B203

BUILDING CONSTRUCTION TECHNIQUES 014 **4.00 Units**
CARPENTRY AND CONSTRUCTION FOR RENEWABLE ENERGY INSTALLERS
This course covers the roof structure principles necessary for installation of solar panels. Construction techniques and principles of roof framing and construction will be emphasized. Roof covering and flashing will also be a focus of the course. The installation and mounting of different panel mounting systems will also be demonstrated and covered in class.

4814	**6:00pm - 9:00pm**	**T**	**SQ/ B136**
& lab	**6:00pm - 9:00pm**	**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/ B330**

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

4615	**6:00pm - 9:10pm**	**W**	**SQ/ B105**
8331	2:30pm - 4:40pm	Th	OH/ F208

BUILDING CONSTRUCTION TECHNIQUES 215 **3.00 Units**
SMALL WIND ENERGY SYSTEMS PRINCIPLES AND PRACTICES

4823	8:00am - 9:30am	Sat	SQ/ B203
& lab	9:30am - 2:30pm	Sat	SQ/ B203

BUSINESS

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

BUSINESS 001 **3.00 Units**
INTRODUCTION TO BUSINESS (UC:CSU)
Special emphasis is placed on the meaning and purpose of business in our society, the historical development of business, the general economic setting for business today, and the following business areas: forms of business organization, manufacturing, marketing, human relations, financing, accounting, budgeting, reports, government-based relations and the social responsibilities of people in business.

0130	8:35am - 10:00am	TTh	CH/ K210
0131	10:20am - 11:45am	MW	CH/ K322
3004	**6:00pm - 9:10pm**	**M**	**CH/ K208**
3006	**6:00pm - 9:10pm**	**W**	**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	TTh	CH/ K324
0133	8:35am - 10:00am	MW	CH/ K210
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	11:00am - 12:25pm	MW	CH/ K210

BUSINESS 032 **3.00 Units**
BUSINESS COMMUNICATIONS (CSU)
The course emphasizes the concepts of successful written and oral communication skills in business in order to write effective business communications including letters, electronic communications, and short reports. This course also helps students develop the ability to create and present oral presentations.

0134	8:00am - 8:45am	MW	CH/ K208
& lab	9:00am - 10:15am	MW	CH/ K208
0138	1:00pm - 1:45pm	MW	CH/ K210
& lab	2:00pm - 3:15pm	MW	CH/ K210

BUSINESS 038 **3.00 Units**
BUSINESS COMPUTATIONS (CSU)
This course provides the principles of mathematics, financial accounting and general business problems that include the following: Bank services including checking account and credit card account activity, payroll calculations, cash and trade discounts merchandise mark-up and inventory valuation, simple and compound interest, annuities, stock and bond transactions, business consumer loans, taxes and insurance, depreciation, financial statements, ratios, and business statistics.

0135	8:35am - 10:00am	MW	CH/ K321
0136	1:30pm - 2:25pm	TTh	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	11:20am - 12:20pm TTh		CH/ K210
& lab	12:25pm - 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

CARPENTRY

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

CARPENTRY 105 **3.00 Units**
CALCULATIONS AND MEASUREMENT FOR WOODWORKING STUDENTS I
This course covers the basic math skills needed to perform in the construction field. Emphasis is placed on the basic operations and how they are applied to carpentry. Measurement calculations will be performed in both standard and metric measurements.

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

CARPENTRY 111A **3.00 Units**
CONSTRUCTION IA (CSU)
This course covers use and operation of hand tools, machine tools, and portable electric tools commonly used in the construction trades. Fundamentals of residential foundation and wall construction, use of rough and finish hardware, glues and adhesives, federal, state, and local building codes and ordinances are studied.

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

(Offered for solar students)

CARPENTRY 111B **2.00 Units**
CONSTRUCTION IB
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**

(Lab for solor 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 - 7:30am	MWF	SQ/ B136
& lab	7:30am - 10:40am	MWF	SQ/ B104

CARPENTRY 115 **3.00 Units**
BASIC BLUEPRINT READING AND CORE CONSTRUCTION SKILLS (CSU)
Students will be familiarized with the basic terms for construction drawings, components, and symbols. Emphasis is placed on the different types of drawings and how to interpret and use the dimensions.

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

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

CARPENTRY 123 **6.00 Units**
BASIC HOUSE CONSTRUCTION (CSU)
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 - 12:30pm	MWF	SQ/ B102

CARPENTRY 124 **3.00 Units**
BLUEPRINT READING AND ESTIMATING I
Prerequisite: Carpentry 115
Students will learn blueprint reading through the process of estimation. Material take offs, detail methods, labor calculations, profit, overhead and bid procedures will be examined.

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

CARPENTRY 130 **3.00 Units**
CALCULATIONS AND MEASUREMENT FOR WOODWORKING STUDENTS II
Students complete common woodworking and construction calculations with an emphasis on percentage, area and volume calculations, algebra, geometry and trigonometry as they apply to the carpentry and woodworking trades. Students calculate concrete volume, lumber requirements and material quantities, as well as perform length and size calculations.

8110	10:50am - 12:20pmTTh		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/ B102
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	8:15:00AM - 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/ B136
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**	**SQ/ B120**
& lab	**6:40pm - 9:10pm**	**MW**	**SQ/ B120**

CARPENTRY 170 **3.00 Units**
INTRODUCTION TO CNC WOODWORKING MACHINING AND PROGRAMMING
This course presents an introduction to the use of a CNC router. Topics include safety, feed speeds, spindle speeds, tooling , setups and programming to include related attachments and accessories for the machine.

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

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.

4619	**6:00pm - 9:10pm**	**T**	**SQ/ B105**
4702	**6:00pm - 9:10pm**	**M**	**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	AH/T E111
& lab	7:00am - 10:10am	F	CH/ K464
& lab	10:10am - 11:40am	T	AH/T E111
& lec	7:00am - 10:10am	T	CH/ K406
1652	10:10am - 11:35am	M	AH/T E111
& lab	7:00am - 10:10am	T	CH/ K406
& lab	7:00am - 11:15am	F	CH/ K464
& lec	10:10am - 11:40am	T	AH/T E111
4081	**5:30pm - 8:45pm**	**M**	**CH/ K424**
& lab	**8:45pm - 9:50pm**	**M**	**CH/ K424**
& lab	**4:30pm - 9:50pm**	**T**	**CH/ K424**

CHEMICAL TECHNOLOGY 113 **2.00 Units**
APPLIED CHEMISTRY MATHEMATICS I
This course is about application of basic mathematical operations to problem-solving strategy in Chemical Technology.

1651	7:00am - 8:05am	W	CH/ K464
&	10:20am - 11:25am	W	CH/ K464

CHEMICAL TECHNOLOGY 132 **5.00 Units**
QUANTITATIVE AND INSTRUMENTAL ANALYSIS I (CSU)
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 - 11:35am	W	CH/ K466
& lab	7:00am - 11:45am	Th	CH/ K466

CHEMICAL TECHNOLOGY 133 **4.00 Units**
ORGANIC CHEMISTRY I (CSU)
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	7:00am - 9:05am	M	CH/ K466
& lab	9:05am - 12:15pm	M	CH/ K466
& lab	7:00am - 10:10am	T	CH/ K466

CHEMICAL TECHNOLOGY 140 **1.00 Unit**
MICROBIOLOGY LABORATORY TECHNIQUES FOR TECHNICIANS
This course studies techniques and procedures used regularly in microbiology laboratories. It includes laboratory safety and aseptic techniques, media preparation, handling and maintaining cultures and the use and care of lab equipment, especially microscopes. The course is designed specifically for chemical, process and biomanufacturing technicians.

1653 lab	1:20pm - 4:30pm	M	CH/ K422

CHEMICAL TECHNOLOGY 161 **1.00 Unit**
SPECIAL PROJECTS I
This course addresses the principles and instrumentation of gas chromatography (GC) with particular reference to Shimadzu GC-8A gas chromatograph.

1630 lab	11:45am - 2:25pm	Th	TBA

CHEMICAL TECHNOLOGY 168 **2.00 Units**
CHEMICAL QUALITY CONTROL I
This course provides Introduction to quantitative and qualitative analysis of common anions and cations in aqueous solution.

1662 lab	10:15am - 11:40am 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 **5.00 Units**
FUNDAMENTALS OF CHEMISTRY I (UC:CSU)
Prerequisite: Mathematics 114 or Mathematics 115;
This course with laboratory emphasizes the principles of inorganic chemistry and introduces elementary organic chemistry. It is planned primarily for health science majors, as a preparatory course for higher-level chemistry courses, and for non-science majors requiring a one-semester course with laboratory. High school students may obtain both: high school and college credit for this course. UC/CSU systems limit Chem 51/ Chem 65 credit to one course.

1670	8:30am - 11:40am	W	AH/T E111
&	12:00pm - 1:05pm	W	CH/ K258
& lab	8:30am - 11:40am	M	CH/ K464

Enrollment Restriction for Bio-Tech Cohort.

1671	8:30am - 11:40am	T	AH/T E120
&	7:30am - 8:30am	Th	CH/ K464
& lab	8:30am - 11:40am	Th	CH/ K464
1672	8:00am - 11:10am	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**
1675	9:30am - 11:35am	MW	CH/ K222
& lab	11:45am - 2:55pm	W	CH/ K464
1676	9:30am - 11:35am	MW	CH/ K258
& lab	11:45am - 2:55pm	M	CH/ K464
4074	**4:15pm - 6:20pm**	**TTh**	**CH/ K258**
& lab	**6:30pm - 9:40pm**	**T**	**CH/ K464**
4075	**4:15pm - 6:20pm**	**TTh**	**AH/T E107**
& lab	**6:30pm - 9:40pm**	**Th**	**CH/ K464**

CHEMISTRY 070 **4.00 Units**
INTRODUCTORY ORGANIC AND BIOCHEMISTRY (UC:CSU)
Prerequisite: Chemistry 51 or Chemistry 65 or Chemistry 101.
This course studies the structure, physical properties and nomenclature of organic compounds and biomolecules. Simple chemical reactions are introduced. Students use physical and chemical properties of compounds to characterize them in the laboratory. It is strongly recommended to take this course before taking chemistry 211. This course provides credit towards the Associate of Sciences degree in Chemistry

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

CHEMISTRY 101 **5.00 Units**
GENERAL CHEMISTRY I (UC:CSU)
Prerequisite: Mathematics 125;
This course presents the principles of chemistry, including modern atomic structure, chemical bonding, stoichiometry, gases, solids, liquids, descriptive inorganic chemistry, and introduces equilibrium and electrochemistry. The laboratory emphasizes the quantitative aspects of chemistry and instrumentation. This course is part of the transfer sequence for careers in the physical, biological, and health sciences and a requirement for the Associate of Sciences degree in Chemistry

1680	10:10am - 11:35am TTh		CH/ K420
& lab	12:00pm - 3:10pm	T	CH/ K466
& lab	12:00pm - 3:10pm	Th	CH/ K466
1682	10:00am - 11:35am TTh		AH/T E215
& lab	11:45am - 2:55pm	TTh	CH/ K464
1683	10:10am - 11:35am MW		CH/ K324
& lab	12:00pm - 3:10pm	MW	CH/ K466
4076	**4:40pm - 6:05pm**	**TTh**	**AH/T E120**
& lab	**6:20pm - 9:30pm**	**TTh**	**CH/ K466**
4078	**4:30pm - 5:55pm**	**MW**	**AH/T E120**
& lab	**6:30pm - 9:40pm**	**MW**	**CH/ K464**
4100	8:00am - 11:10am	Sat	MH 301
& lab	11:50am - 6:20pm	Sat	CH/ K466

CHEMISTRY 102 **5.00 Units**
GENERAL CHEMISTRY II (UC:CSU)
Prerequisite: Chemistry 101;
This course is a continuation of General Chemistry I. It includes detailed study of chemical equilibrium, kinetics, electrochemistry, nuclear and coordination chemistries. Quantitative and qualitative analysis and inorganic preparations are part of the laboratory. This course is part of the transfer sequence for careers in the physical, biological, and health sciences and a requirement for the Associate of Sciences Degree in Chemistry

1684	1:20pm - 2:45pm	TTh	CH/ K258
& lab	2:55pm - 6:05pm	T	CH/ K466
& lab	**3:10pm - 6:20pm**	**Th**	**CH/ K466**
1685	1:20pm - 2:45pm	MW	CH/ K406
& lab	2:55pm - 6:05pm	MW	CH/ K466
4077	**4:40pm - 6:05pm**	**MW**	**AH/T E415**
& lab	**6:20pm - 9:30pm**	**MW**	**CH/ K466**

CHEMISTRY 211 **5.00 Units**
ORGANIC CHEMISTRY FOR SCIENCE MAJORS I (UC:CSU)
Prerequisite: Chemistry 102.
Structure, dynamics, equilibrium and nomenclature of organic compounds including conformational analysis, potential energy plots, hybridization, reaction mechanisms and molecular modeling. Students employ modern synthetic and chromatographic techniques. Guest speakers enhance the topics covered in class. This course is part of the transfer sequence for careers in the physical, biological, and health sciences and a requirement for the Associate of Sciences degree in Chemistry.

1690 lec	1:10pm - 2:35pm TTh	V. SACHDEV	AH/T E120
& lab	**3:00pm - 6:10pm TTh**	**V. SACHDEV**	**CH/ K464**

CHEMISTRY 212 **5.00 Units**
ORGANIC CHEMISTRY FOR SCIENCE MAJORS II (UC:CSU)
Prerequisite: Chemistry 211;
Continuing studies of organic molecules started in chemistry 211 with emphasis on carbonyl containing compounds, macromolecules and naturally occurring nitrogen and oxygen-containing compounds. Non-covalent interactions and catalyst. A mechanistic approach to reactions and a focus on multi-step synthesis is emphasized throughout the course. This course is part of the transfer sequence for careers in the physical, biological, and health sciences and a requirement for the Associate of Sciences degree in Chemistry.

1691	1:10pm - 2:35pm	MW	CH/ K420
& lab	**3:00pm - 6:10pm**	**MW**	**CH/ K464**

CHEMISTRY 385 **3.00 Units**
DIRECTED STUDY - CHEMISTRY (UC:CSU)
This course allows students to pursue directed study in Chemistry on a contract basis under the direction of a supervising instructor.
1692 lec 3:25 hrs/wk TBA - M. DIAZ CH/ K406

CHILD DEVELOPMENT

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

CHILD DEVELOPMENT 001 **3.00 Units**
CHILD GROWTH AND DEVELOPMENT (UC:CSU)
Advisory: English 28.
This course examines the major physical, psychosocial, and cognitive/language developmental milestones for children, both typical and atypical, from conception through adolescence. There will be an emphasis on interactions between maturational processes and environmental factors. While studying developmental theory and investigative research methodologies, students will observe children, evaluate individual differences and analyze characteristics of development at various stages.

1200	8:35am - 10:00am	MW	CH/ K262
1201	10:10am - 11:35am	MW	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 R.	AH/T E401
3700	**6:00pm - 9:10pm**	**W**	**AH/T E323**
3701	**6:00pm - 9:10pm**	**Th**	**AH/T E213**
7931	3:25 hrs/wk	TBA -	ONLINE

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
3704	**6:00pm - 9:10pm**	**M**	**AH/T E323**

CHILD DEVELOPMENT 008 **3.00 Units**
CURRICULUM IN EARLY CHILDHOOD EDUCATION (CSU)
Prerequisite: Child Development 1; Child Development 2 and Child Development 7.
Students design and evaluate developmentally appropriate curriculum and environments for young children from birth to age 8. Based on the value of play, students demonstrate the teacher's role in applying theory to practice in supporting children's concept development. Preparing and assessing the implementation of curriculum will include but not be limited to: language and literacy, social studies, art and creativity, music and rhythm, perceptual motor development, mathematics, natural and physical sciences.

1217	11:45am - 2:55pm	W	AH/T E315

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	**6:00pm - 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 E213
& lab	6:45 hrs/wk	TBA	ON LINE
3727	**6:00pm - 8:05pm**	**W**	**CH/ K258**
& lab	6:45 hrs/wk	TBA	CH/ 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

CHILD DEVELOPMENT 030 **3.00 Units**
INFANT AND TODDLER STUDIES I (CSU)
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 **3.00 Units**
OBSERVING AND RECORDING CHILDREN'S BEHAVIOR (CSU)
Prerequisite: Child Development 1.
This course focuses on the appropriate use of a variety of assessment and observation strategies to document child development, growth, behaviors, play and learning, and to join with families and professionals in promoting children's success. Recording strategies, rating systems, portfolios, and multiple assessment tools are explored. Child observations will be conducted and analyzed.

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

CHILD DEVELOPMENT 038 **3.00 Units**
ADMINISTRATION & SUPERVISION OF EARLY CHILDHOOD PROGRAMS I (CSU)
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	TTh	CH/ K222
3742	**6:00pm - 9:10pm**	**Th**	**AH/T E315**

CHILD DEVELOPMENT 042 **3.00 Units**
TEACHING IN A DIVERSE SOCIETY (CSU)
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 **3.00 Units**
PROGRAMS FOR CHILDREN WITH SPECIAL NEEDS (CSU)
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 **3.00 Units**
SCHOOL AGE PROGRAMS II (CSU)
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

CHILD DEVELOPMENT 057 **3.00 Units**
CHILDREN ETHNIC IDENTITY DEVELOPMENT AND AWARENESS (CSU)
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

CHILD DEVELOPMENT 065 **2.00 Units**
ADULT SUPERVISION/EARLY CHILDHOOD MENTORING (CSU)
Corequisite: Child Development 23 or Child Development 39.
The class focuses on the principles and practices of supervision and evaluation of 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 - 9:20pm**	**M**	**AH/T E312**

(10 Week Class - Starts 9/14/2015, Ends 11/16/2015)

CHILD DEVELOPMENT 941 **4.00 Units**
COOPERATIVE EDUCATION - CHILD DEVELOPMENT (CSU)
Cooperative Education is a work experience program involving the employer, the student-employee and the college to insure that the student receives on the job training and the unit credit for work experience or volunteer work/internship. Completion of at least seven units, including Cooperative Education, at the end of the semester is required. Students must be employed or volunteering/interning in order to participate in program.

9048	4:25 hrs/wk	TBA	CY/ D232

COMMUNICATION STUDIES

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

COMMUNICATION STUDIES 101 **3.00 Units**
PUBLIC SPEAKING (UC:CSU)
This introductory speech course emphasizes techniques of public speaking including writing and delivery of speeches to inform and persuade. Students refine critical thinking, research, organizational, and time management skills. They learn to adapt a message to any audience and occasion

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	11:45am - 1:10pm	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
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	1:30pm - 2:55pm	MW	AH/T E208

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**	**AH/T E206**

COMMUNITY PLANNING/ECONOMIC DEVELOPMENT 006
3.00 Units

MANAGING NON-PROFIT AND PUBLIC ORGANIZATIONS (UC: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.

3273	**6:00pm - 9:10pm**	**W**	**CH/ K210**

COMMUNITY PLANNING/ECONOMIC DEVELOPMENT 009
3.00 Units

COMMERCIAL REAL ESTATE DEVELOPMENT (CSU)
Demonstrate how to develop commercial real estate projects with a specific focus on retail and inner city development. The introductory course builds skills and competencies in land development, development financing, marketing and leasing of small and mid-size commercial projects. Through case studies, simulations and project-based learning, students recognize development strategies and tools used by public, private and non-profit organizations.

3272	**6:00pm - 9:10pm**	**T**	**TBA**

COMMUNITY PLANNING/ECONOMIC DEVELOPMENT 036
3.00 Units

INTRODUCTION TO COMMUNITY BASED RESEARCH AND ORGANIZING METHODS (UC:CSU)
This course provides students with a basic understanding of community-based research principles, tools and strategies. The course is taught in a training/workshop format where students will work in small groups to apply classroom lessons to investigate local community issues, such as transportation, environment and economic health. Topics covered include participatory action research theory and methodology, history of Los Angeles, mobility issues in urban settings, sources and impacts of pollution and income and wealth inequality.

3271	**6:00pm - 9:10pm**	**T**	**AH/T E310**

COMPUTER APPLICATIONS OFFICE TECHNOLOGIES

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

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 - 10:05am	MW	CH/ K320

COMPUTER APPLICATIONS OFFICE TECHNOLOGIES 007
3.00 Units

MACHINE TRANSCRIPTION
Voice transcription keyboarding.

0214	12:20pm - 1:20pm	TTh	CH/ K320
& lab	1:20pm - 2:30pm	TTh	CH/ K320

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 - 1:50pm	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/ K208
& lab	9:00am - 10:05am	MW	CH/ K208

COMPUTER APPLICATIONS OFFICE TECHNOLOGIES 031
3.00 Units

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

2020	10:10am - 11:35am	TTh	CH/ K208

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/ K204
& lab	10:45am - 11:35am	MW	CH/ K204

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 - 10:10am	T	CH/ K320

COMPUTER APPLICATIONS OFFICE TECHNOLOGIES 044
3.00 Units

MEDICAL TERMINOLOGY (CSU)
Comprehensive medical vocabulary and usage.

0212	8:00am - 11:20am	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/ K320
& lab	9:15am - 10:50am	TTh	CH/ K320

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 - 12:45pm 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	10:40am - 11:40am	TTh	CH/ K320
& lab	11:40am - 1:50pm	TTh	CH/ K320

COMPUTER APPLICATIONS OFFICE TECHNOLOGIES 093
2.00 Units
LEGAL DOCUMENT 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 - 11:05am	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/ K208
& lab	1:45pm - 3:15pm	W	CH/ K208

(11 Week Class - Starts 9/30/2015, Ends 12/16/2015)

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 042 **3.00 Units**
VIDEO GAME PROGRAMMING I (CSU)
This hands-on course teaches the technical skills behind 3D game programming, using the latest version of Torque from GarageGames, and provides the very best tools available to the game maker. Students will gain practical experience needed to create their own games. As students create a first person shooter, the class will cover the techniques behind the programming, textures, and models that go into successful game creation. Students will cover the Torque Engine and will learn how to integrate sound and music into their games.

0480	7:00am - 9:05am	M	CH/ K307
& lab	7:00am - 9:05am	W	CH/ K307

COMPUTER INFORMATION SYSTEMS 700 **3.00 Units**
COMPUTER CONCEPTS (CSU)
Advisory: Mathematics 105 and English 21;
This course provides an overview of computer concepts. It emphasizes the physical components of a computer system, an introduction to operating systems with 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 lec 12:00pm - 2:05pm M R.S. LAMPANO CH/ K305
& lab 12:00pm - 2:05pm W R.S. LAMPANO 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.

0482	7:00am - 9:05am	T	CH/ K307
& lab	7:00am - 9:05am	Th	CH/ K307
0483	7:00am - 9:05am	M	CH/ K305
& lab	7:00am - 9:05am	W	CH/ K305
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)
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	7:00am - 9:10am	T	CH/ K307
& lab	7:00am - 9:10am	Th	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.

0484	12:00pm - 2:05pm	M	CH/ K307
& lab	12:00pm - 2:05pm	W	CH/ K307

COMPUTER INFORMATION SYSTEMS 743 **3.00 Units**

OBJECT-ORIENTED PROGRAMMING IN C++ (UC:CSU)
Prerequisite: Computer Information Systems 739;
This course develops an understanding of Object-Oriented programming. It includes Object-oriented analysis and design. Major topics include classes, constructor, destructor, accessor and mutator functions, overloaded functions and operators, inheritance, and polymorphism.

0481	12:00pm - 2:05pm	T	CH/ K307
& lab	12:00pm - 2:05pm	Th	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	T	CH/ K305
& lab	9:15am - 11:20am	Th	CH/ K305

COMPUTER INFORMATION SYSTEMS 762 **3.00 Units**

WEB SCRIPTING (CSU)
Prerequisite: Computer Information Systems 757; Advisory: Computer Information Systems 701
This class provides an introduction to the use of the Java Script programming system. It emphasizes the syntax and grammar of its coding language and it is embedded into the Web page structure. The method of instruction is projects which include the design and implementation of calculations and related actions into a Web page. .

0490	9:15am - 11:25am	M	CH/ K307
& lab	9:15am - 11:05am	W	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) (RPT 3)
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
9002	3:10 hrs/wk	TBA -	AH/T E111
9003	4:15 hrs/wk	TBA -	OFF CAMP

(12 Week Class - Starts 9/30/2015, Ends 12/20/2015)

9004	4:15 hrs/wk	TBA -	OFF CAMP

(12 Week Class - Starts 9/30/2015, Ends 12/20/2015)

9005	4:15 hrs/wk	TBA -	OFF CAMP

(12 Week Class - Starts 9/30/2015, Ends 12/20/2015)

9006	4:15 hrs/wk	TBA -	OFF CAMP

(12 Week Class - Starts 9/30/2015, Ends 12/20/2015)

9007	4:15 hrs/wk	TBA -	OFF CAMP

(12 Week Class - Starts 9/30/2015, Ends 12/20/2015)

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	10:00am - 11:30am	MTWThF	MH 138
& lab	11:30am - 3:00pm	MTWThF	MH 253

(8 Week Class - Starts 8/31/2015, Ends 10/23/2015)

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	10:00am - 11:30am	MTWThF	MH 138
& lab	11:30am - 3:00pm	MTWThF L.G. LEY	MH 253

(8 Week Class - Starts 10/26/2015, Ends 12/18/2015)

COSMETOLOGY 111 **6.00 Units**

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

4300	**4:30pm - 6:00pm**	**MTWTh**	**MH 126**
& lab	**6:00pm - 9:30pm**	**MTWTh**	**MH 237**
& lab	7:00am - 10:00am	SAT	MH 237
& lab	10:00am - 1:30pm	SAT	MH 237

(8 Week Class - Starts 8/31/2015, Ends 10/24/2015)

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

(8 Week Class - Starts 8/31/2015, Ends 10/22/2015)

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

(8 Week Class - Starts 8/31/2015, Ends 10/22/2015)

COSMETOLOGY 112 **6.00 Units**

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

4301	**4:30pm - 6:00pm**	**MTWTh**	**MH 126**
& lab	**6:00pm - 9:30pm**	**MTWTh**	**MH 237**
& lab	7:00am - 10:00am	Sat	MH 237
& lab	10:00am - 2:00pm	Sat	MH 237

(7 Week Class - Starts 10/26/2015, Ends 12/19/2015)

7001	7:00am - 8:30am	MTWTh	MH 233
& lab	8:30am - 2:00pm	MTWTh	MH 233

(8 Week Class - Starts 10/26/2015, Ends 12/17/2015)

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

(8 Week Class - Starts 10/26/2015, Ends 12/17/2015)

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**
& lab	7:00am - 2:00pm	Sat	MH 247

(8 Week Class - Starts 8/31/2015, Ends 10/24/2015)

7004	7:00am - 8:30am	MTWTh	MH 247
& lab	8:30am - 2:00pm	MTWTh	MH 247

(8 Week Class - Starts 8/31/2015, Ends 10/22/2015)

COSMETOLOGY 122 **6.00 Units**
JUNIOR SALON III
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 - 2:00pm	Sat	MH 247
(7 Week Class - Starts 10/26/2015, Ends 12/19/2015)			
7005	7:00am - 8:30am	MTWTh	MH 247
& lab	8:30am - 2:00pm	MTWTh	MH 247
(8 Week Class - Starts 10/26/2015, Ends 12/17/2015)			

COSMETOLOGY 131 **6.00 Units**
TINTING I
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	MTWTh	MH 238
& lab	8:30am - 2:00pm	MTWTh	MH 238
(8 Week Class - Starts 8/31/2015, Ends 10/22/2015)			

COSMETOLOGY 132 **6.00 Units**
TINTING II
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	MTWTh	MH 238
& lab	8:30am - 2:00pm	MTWTh	MH 238
(8 Week Class - Starts 10/26/2015, Ends 12/17/2015)			

COSMETOLOGY 141 **6.00 Units**
SENIOR SALON I
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 - 2:00pm	Sat	MH 247
(8 Week Class - Starts 8/31/2015, Ends 10/24/2015)			
7008	7:00am - 8:30am	MTWTh	MH 126
& lab	8:30am - 2:00pm	MTWTh	MH 123
(8 Week Class - Starts 8/31/2015, Ends 10/22/2015)			

COSMETOLOGY 142 **6.00 Units**
SENIOR SALON II
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 clientale, 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 - 2:00pm	Sat	MH 247
(7 Week Class - Starts 10/26/2015, Ends 12/19/2015)			
7009	7:00am - 8:30am	MTWTh	MH 126
& lab	8:30am - 2:00pm	MTWTh	MH 123
(8 Week Class - Starts 10/26/2015, Ends 12/17/2015)			

COUNSELING

Chair: Thomas Dawkins, Juniper Hall - JH/ 416, (213) 763-7361

COUNSELING 002 **1.00 Unit**
INTERPERSONAL RELATIONSHIPS (CSU) (RPT 3)

1101	11:00am - 12:05pm	W	ST 401
1104	8:30am - 9:35am	T	AH/T E210
&	1:25 hrs/wk	TBA	AH/T E210
9583	1:30pm - 4:35pm	M	AH/T E210
&	1:25 hrs/wk	TBA	AH/T E210
(6 Week Class - Starts 9/14/2015, Ends 10/19/2015)			
9584	1:30pm - 4:35pm	M	AH/T E210
&	1:25 hrs/wk	TBA	AH/T E210
(6 Week Class - Starts 10/26/2015, Ends 11/30/2015)			

COUNSELING 004 **1.00 Unit**
CAREER PLANNING (CSU)
This is a career planning course designed to assist the student in selecting an appropriate career goal by introducing critical strategies, and information which is essential in selecting a career. The main areas covered in this course are self assessment, problem solving, discovering your strengths and weaknesses, and understanding your personality style. Some tools which will be used to help identify the areas of concern are the Myers Briggs and the COPES. Students will also learn how to prepare a functional and chronological resume, as well as a standard cover letter.

9582	1:00pm - 2:05pm	Th	AH/T E210

COUNSELING 020 **3.00 Units**
POST-SECONDARY EDUCATION: THE SCOPE OF CAREER PLANNING (UC:CSU)
This course introduces students to the role of higher education in society and to their role as students. Students explore personal attributes needed for college success, critical thinking and effective study strategies, relating to others in a diverse world, the career planning and decision making process, and transfer and educational planning. This course will also provide students with an overview of campus resources and policies.

1102	11:45am - 1:10pm	T	AH/T E210
&	11:50am - 12:50pm	Th	AH/T E210
&	1:25 hrs/wk	TBA	AH/T E210
1105	2:00pm - 3:25pm	T	AH/T E210
&	1:25 hrs/wk	TBA	AH/T E210

CULINARY ARTS

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

CULINARY ARTS 111 **4.00 Units**
CULINARY ARTS ORIENTATION I (CSU)
Prerequisite: Culinary Arts 112; Corequisite: Culinary Arts 112.
With a combination of lecture and lab practice, the students are introduced to the world of commercial food production. Students are introduced to culinary theories and develop skills in knife handling, ingredient identification, small and large equipment use, weights and measures, recipe development and cooking fundamentals

7500	7:00am - 8:30am	TWTh	SA/ H314
& lab	8:30am - 12:40pm	TWTh	SA/ H102
(8 Week Class - Starts 9/1/2015, Ends 10/23/2015)			
7503	7:00am - 8:40am	TWTh	OH/ F223
& lab	8:40am - 1:10pm	TWTh	SA/ H102
(8 Week Class - Starts 10/27/2015, Ends 12/17/2015)			
7504	2:00pm - 4:05pm	TTh	SA/ H132
& lab	**4:05pm - 6:20pm**	**TTh**	**SA/ H107**
7523	1:30pm - 2:50pm	TWTh	SA/ H119
& lab	2:55pm - 7:55pm	TWTh	SA/ H102
(8 Week Class - Starts 10/27/2015, Ends 12/17/2015)			
7529	7:00am - 9:10am	F	SA/ H132
& lab	9:10am - 3:40pm	F	SA/ H107

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 SA/ H103
(8 Week Class - Starts 10/26/2015, Ends 12/17/2015)
7502 7:10am - 9:20am MW OH/ F223
(8 Week Class - Starts 8/31/2015, Ends 10/23/2015)
7505 2:00pm - 4:05pm MW MH 308
(8 Week Class - Starts 8/31/2015, Ends 10/23/2015)
7531 2:00pm - 4:05pm MW MH 308
(8 Week Class - Starts 10/26/2015, Ends 12/17/2015)
7551 4:25pm - 6:35pm MW MH 308
(8 Week Class - Starts 8/31/2015, Ends 10/21/2015)
7553 4:25pm - 6:25pm MW MH 308
(8 Week Class - Starts 10/26/2015, Ends 12/17/2015)

CULINARY ARTS 120 **4.00 Units**
FRONT OF HOUSE/DINING SERVICES
Front of house topics pertinent to restaurant & hospitality management, dining room management, service, 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 8/31/2015, Ends 10/23/2015)
7525 9:35am - 10:35am MTWTh SA/ H103
& lab 10:35am - 2:00pm MTWTh SA/ H109
(8 Week Class - Starts 10/26/2015, Ends 12/17/2015)

CULINARY ARTS 121 **6.00 Units**
GARDE MANGER I - BAKING (CSU)
Prerequisite: Cul Art 111 & 112.
Introduction to Garde Manger and Baking. Introduction to basic garde manger, salads, cold sauces and salad dressings dressing, baking principles including yeast and sweet doughs, laminated doughs, mixing methods, and decorating.
7506 lab 6:30am - 10:05am MTWTh SA/ H107
& 10:05am - 12:10pm MTWTh SA/ H119
(8 Week Class - Starts 8/31/2015, Ends 10/23/2015)
7509 lab 6:30am - 10:05am MTWTh SA/ H107
& 10:05am - 12:15pm MTWTh SA/ H119
(8 Week Class - Starts 10/26/2015, Ends 12/17/2015)
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 10/26/2015, Ends 12/17/2015)
7508 7:30am - 9:30am MTWTh SA/ H119
& lab 9:30am - 1:05pm MTWTh SA/ H107
(8 Week Class - Starts 8/31/2015, Ends 10/23/2015)
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 8/31/2015, Ends 10/23/2015)

7513 lab 6:30am - 10:10am MTWTh SA/ H107
& lec 10:10am - 12:10pm MTWTh S.B. FEIGENBAUM SA/ H132
(8 Week Class - Starts 10/26/2015, Ends 12/17/2015)

CULINARY ARTS 132 **6.00 Units**
CULINARY ARTS - ENTREMETIER SAUCIER (CSU)
Prerequisite: Culinary Arts 111; Culinary Arts 112;
Students will examine and prepare the theory and production techniques involved in the preparation of stocks, soups, sauces, starches, and vegetables in a classical and contemporary cooking approach. Students will develop a practical understanding of the role and application of sauce pairing with the center of the plate, vegetables, starches, and dessert items.
7511 7:30am - 9:30am MTWTh SA/ H134
& lab 9:30am - 1:10pm MTWTh SA/ H107
(8 Week Class - Starts 10/26/2015, Ends 12/17/2015)
7512 7:30am - 9:30am MTWTh SA/ H134
& lab 9:30am - 1:10pm MTWTh SA/ H107
(8 Week Class - Starts 8/31/2015, Ends 10/23/2015)

CULINARY ARTS 141 **6.00 Units**
BUTCHERY/CENTER OF THE PLATE AND QUANTITY FOOD COOKERY (CSU)
Prerequisite: Culinary Arts 111; Culinary Arts 131; Culinary Arts 132; Culinary Arts 121, Culinary Arts 122 and Culinary Arts 112;
This course covers quantity and quality food production of meats, fish, and poultry. Students will practice center of the plate food preparation, meat identification and fabrication with an emphasis on portion control, sauce pairing and accompaniment compatibility. Students will discuss, compare and prepare various international foods.
7514 7:15am - 9:15am MTWTh SA/ H132
& lab 9:15am - 12:55pm MTWTh SA/ H107
(8 Week Class - Starts 8/31/2015, Ends 10/23/2015)
7517 7:15am - 9:15am MTWTh SA/ H132
& lab 9:15am - 1:05pm MTWTh SA/ H107
(8 Week Class - Starts 10/26/2015, Ends 12/17/2015)

CULINARY ARTS 170 **2.00 Units**
CULINARY NUTRITION (CSU)
This course provides a quick overview of applied culinary nutrition. Recipe and menu development including ingredient selection and cooking techniques will be discussed. Special diet (low fat, low sodium, diabetic, and caloric intake) will be discussed. Appropriate for food service professionals who would like to work as personal chefs, with sports teams, at spas and resorts, major hospital chains, entertainment or transportation industries or in health care.
7516 3:45pm - 5:50pm MW SA/ H103
(8 Week Class - Starts 8/31/2015, Ends 10/22/2015)
7534 7:00am - 1:00pm M SA/ H314
(7 Week Class - Starts 8/31/2015, Ends 10/23/2015)
7537 7:00am - 11:15am M SA/ H314
(8 Week Class - Starts 10/26/2015, Ends 12/17/2015)

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/ H334

(8 Week Class - Starts 8/31/2015, Ends 10/23/2015)

7532	7:00am - 10:10am	TTh	SA/ H107
& lab	10:10am - 1:40pm	TTh	SA/ H334

(8 Week Class - Starts 9/1/2015, Ends 10/23/2015)

7535	7:00am - 10:20am	MW	SA/ H107
& lab	10:20am - 1:40pm	MW	SA/ H334

(8 Week Class - Starts 10/26/2015, Ends 12/18/2015)

CULINARY ARTS 240 **2.00 Units**
RESTAURANT SUPERVISION AND TRAINING (CSU)
Prerequisite: Culinary Arts 111; Culinary Arts 112;
Students are introduced to human resource management and supervision techniques.Students will identify the recruiting process, communication skills, leadership styles, legal issues in the workforce, employee motivation and discipline.

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

(8 Week Class - Starts 8/31/2015, Ends 10/23/2015)

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

(8 Week Class - Starts 10/26/2015, Ends 12/18/2015)

CULINARY ARTS 941 **4.00 Units**
COOPERATIVE EDUCATION - CULINARY ARTS (CSU)
Cooperative Education is a work experience program involving the employer, the student-employee and the college to insure that the student receives on the job training and the unit credit for work experience or volunteer work/internship. Completion of at least seven units, including Cooperative Education, at the end of the semester is required. Students must be employed or volunteering/interning in order to participate in program.

9044	4:25 hrs/wk	TBA	CY/ 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 - 8:25am	MTWTh	OH/ F118
& lab	8:25am - 12:20pm	MTWTh	OH/ F118

DIESEL AND RELATED TECHNOLOGY 112B **5.50 Units**
ELECTRICAL FUNDAMENTALS (CSU)
This course is designed to cover the theory and operation of electrical fundamentals. The student should develop, hands-on skills, manual dexterity skills, critical thinking skills on electrical parts and systems.
4450 lec 5:00pm - 6:20pm MW M.A. RAMIREZ OH/ F126
& lab 6:20pm - 10:20pm MW M.A. RAMIREZ OH/ F126

DIESEL AND RELATED TECHNOLOGY 122 **11.00 Units**
DIESEL FUEL INJECTION SYSTEMS & BASIC HYDRAULICS AND AIR CONDITIONING (CSU)
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 - 8:25am	MTWTh	OH/ F126
& lab	8:25am - 12:20pm	MTWTh	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 - 8:25am	MTWTh	OH/ F210
& lab	8:25am - 12:20pm	MTWTh	OH/ F100

DIESEL AND RELATED TECHNOLOGY 132A **5.50 Units**
HEAVY DUTY DRIVE TRAIN
This course will cover the operating principles and repair of heavy duty clutches, transmissions, drive shafts, and differentials.

4506	**5:30pm - 8:40pm**	**F**	**OH/ F211**
& lab	7:30am - 3:20pm	Sat	OH/ F126

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.Â 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 lec 7:00am - 8:25am MTWTh J.R. RAMIREZ OH/ F211
& lab 8:25am - 12:20pm MTWTh J.R. RAMIREZ OH/ F100

DIESEL AND RELATED TECHNOLOGY 142A **5.50 Units**
DIESEL ENGINE OVERHAUL
This course covers diesel engine overhaul principles including disassembly, inspection, and reassembly as part of overhauling a diesel engine.

4453	**5:00pm - 6:20pm**	**TTh**	**OH/ F211**
& lab	**6:20pm - 10:20pm**	**TTh**	**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

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

DIESEL AND RELATED TECHNOLOGY 302 **6.00 Units**
HYBRID AND PLUG-IN ELECTRIC VEHICLE (CSU)
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/ F210
& lab	2:50pm - 5:35pm	TTh	OH/ F100

DIESEL AND RELATED TECHNOLOGY 941 **4.00 Units**
COOPERATIVE EDUCATION - DIESEL 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.

9236	4:25 hrs/wk	TBA	OH/ F214

DIGITAL MEDIA

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

DIGITAL MEDIA 100 **3.00 Units**

INTRODUCTION TO DIGITAL VIDEO (CSU)

Students are introduce 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**	**CY/ D302**
& lab	**7:15pm - 8:30pm**	**MW**	**CY/ D302**

DIGITAL MEDIA 103 **3.00 Units**

FUNDAMENTAL OF DIGITAL AUDIO (CSU)

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

4344	**6:30pm - 7:40pm**	**TTh**	**CY/ D302**
& lab	**7:40pm - 8:50pm**	**TTh**	**CY/ D302**

DIGITAL MEDIA 105 **3.00 Units**

VISUAL STORYTELLING: FILM AND VIDEO (CSU) (RPT 1)

4342	**4:00pm - 5:10pm**	**MW**	**CY/ D302**
& lec	**5:10pm - 6:20pm**	**MW**	**CY/ D302**

DIGITAL MEDIA 116 **3.00 Units**

INTRODUCTION TO WEB PAGE DESIGN (CSU)

4343	**4:00pm - 5:10pm**	**TTh**	**CY/ D302**
& lab	**5:10pm - 6:20pm**	**TTh**	**CY/ D302**

DRAFTING

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

DRAFTING 062 **3.00 Units**

CAD FOR ARCHITECTS (CSU)

This course will focus on the process of generating and managing building data during the life cycle of a building from 'cradle to cradle'. CADD and BIM drawings can create automatically consistent and dynamic views of the building, detail design and increase the productivity, transparency and accountability. CADD and BIM symbols, templates and standards are used to generate simple models from site design to finish products. Virtual information models made with CADD and BIM transform every field, as it connects data to place and space.

8004	7:00am - 8:05am	MW	RH/ C107
& lab	8:05am - 9:35am	MW	RH/ C107

DRAFTING 063 **3.00 Units**

CADD FOR BUILDING (CSU)

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	RH/ C109
& lab	10:50am - 12:20pm	TTh	RH/ C109

ECONOMICS

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

ECONOMICS 001 **3.00 Units**

PRINCIPLES OF ECONOMICS I (UC:CSU)

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

0184	12:00pm - 1:25pm	MW	CH/ K321
0194	11:45am - 1:10pm	TTh	TBA
3011	**6:00pm - 9:10pm**	**M**	**CH/ K321**

ECONOMICS 002 **3.00 Units**

PRINCIPLES OF ECONOMICS II (UC:CSU)

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

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

EDUCATION

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

EDUCATION 001 **3.00 Units**

INTRODUCTION TO TEACHING (CSU)

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.Â TB test, finger print (live scan), and background check may be required by individual elementary school.

1060	9:00am - 12:10pm	MW	OH/ F223
(8 Week Class - Starts 8/31/2015, Ends 10/23/2015)			
1061	1:00pm - 4:10pm	TTh	AH/T E208
(8 Week Class - Starts 10/26/2015, Ends 12/18/2015)			

ELECTRICAL CONSTRUCTION AND MAINTENANCE

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

ELECTRICAL CONSTRUCTION AND MAINTENANCE 007 3.00 Units

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 2.00 Units

(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	SQ/ B320

ELECTRICAL CONSTRUCTION AND MAINTENANCE 101 4.00 Units

ELECTTRICAL 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**
4842	**5:00pm - 9:15pm**	**T**	**EDM TRAN**
4844	**5:30pm - 9:45pm**	**W**	**CETR DIST**
4856	**5:30pm - 10:00pm**	**Th**	**CETR DIST**

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 proceeding 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/ F224**
4708	**6:00pm - 9:10pm**	**T**	**SQ/ B320**
4709	**6:00pm - 9:10pm**	**Th**	**SQ/ B352**
4710	**6:00pm - 9:10pm**	**M**	**OH/ F224**
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**
4875 lab	8:00am - 2:20pm	Sat	SQ/ B301
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 (CSU)
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

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/ B320**
8136	10:45am - 12:10pm	MT	SQ/ B320
8140	9:00am - 10:25am	MT	SQ/ B320

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**
8176 lab	8:00am - 11:10am	Sat	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**
8177 lab	8:00am - 11:10am	Sat	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**
8178 lab	8:00am - 11:10am	Sat	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**	**F**	**OH/ F224**
4747	**6:00pm - 9:10pm**	**SAT**	**SQ/ B351**
8138	10:45am - 12:10pmThF		SQ/ B320
8142	9:00am - 10:35am	ThF	SQ/ B320

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 lec	10:20am - 11:35am MW		OH/ F234
8149 lec	8:45am - 10:10am	MW	SQ/ B302
8175 lec	8:00am - 11:10am	Sat	SQ/ B352

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
8200	8:00am - 11:10am	Sat	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
8199	8:00am - 11:10am	Sat	SQ/ B351

ELECTRICAL CONSTRUCTION AND MAINTENANCE 159 4.00 Units

PROGRAMMABLE LOGIC CONTROLS (PLC) (CSU)
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.

4624	**6:00pm - 9:20pm**	**T**	**SQ/ B302**
4726	**6:00pm - 9:10pm**	**M**	**SQ/ B352**
4730	**6:00pm - 9:10pm**	**F**	**SQ/ B250**

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.

4780	**6:00pm - 9:10pm**	**W**	**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/ B336**

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**	**M**	**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**	**W**	**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**	**SQ/ B320**

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**

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 1.00 Unit
CONDUIT BENDING LABORATORY
Corequisite: Electrical Construction and Maintenance 168.
This class teaches bending and cutting of conduits and the calculations that are included in these operations. EMT conduit will be bent with hand benders.

8158 lab	10:10am - 1:20pm	Th	SQ/ B337
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 ELECTRICAN 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**	**SQ/ B120**
& lab	**7:25pm - 9:10pm**	**T**	**SQ/ B120**
& lab	**6:00pm - 9:10pm**	**Th**	**SQ/ B120**

ELECTRICAL CONSTRUCTION AND MAINTENANCE 205 2.00 Units
SOLAR ENERGY INSTALLATION & MAINTENANCE PRINCIPLES AND PRACTICES
This course is designed for individuals who have the basic electrical and mechanical skills of an energy technician or electrician and are looking to expand into the renewable energy field. This is a hands on class to develop the fundamental principles and practices for installation and maintenance of solar, wind, and similar renewable energy systems. This course covers basic planning, installation, and maintenance of the necessary components for various renewable energy systems.
8335 lab 2:30pm - 5:40pm MW B. GOLUZA OH/ F151

ELECTRICAL LINEMAN – APPRENTICE ELECTRICAL LINEMAN - APPRENTICE 703A 3.00 Units
ELECTRICAL LINEMAN APPRENTICE RELATED TRAINING IIIA
Instruction is given in the stringent use of state law G.0.095, safety orders, OSHA requirements, overhead construction standards, overhead jobs, joint pole agreement of California, and electrical service requirements. Course reviews conductor sizes, splices, stringing, dead-ending, guying, rigging, transformer fusing, circulation current, trouble shooting, street lighting and public relations, live-line maintenance using live-line tools, safety and first aid.

5003	**4:00pm - 6:10pm**	**M**	**GLEN PS**
& lab	**6:10pm - 8:20pm**	**M**	**GLEN PS**

ELECTRICAL LINEMAN - APPRENTICE 704A 3.00 Units
ELECTRICAL LINEMAN - APPRENTICE CABLE SPLICER MODULE A
This course provides instruction in the application of rigging principles and practices on underground installations. In addition, the installation of equipment, splicing theory, distribution circuits, oil circuit breakers, transformer characteristics, and connections will also be covered. State law requirements, safety and street lighting electrical systems will be introduced in this course.

5000	**4:00pm - 6:10pm**	**M**	**GLEN PS**
& lab	**6:10pm - 8:20pm**	**M**	**GLEN PS**

ELECTRONICS

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

ELECTRONICS 002 3.00 Units
INTRODUCTION TO ELECTRONICS (CSU)
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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 - 3:50pm	W	CH/ K302
0462	**6:00pm - 9:10pm**	**M**	**CH/ K302**

ELECTRONICS TECHNOLOGY

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

ELECTRONICS TECHNOLOGY 150 3.00 Units
SOLDERING SURFACE MOUNT TECHNOLOGY
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 3.00 Units
DC THEORY AND CIRCUIT FUNDAMENTALS
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 2.00 Units
DC THEORY AND CIRCUIT FUNDAMENTALS LAB (CSU)
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 **1.00 Unit**
APPLIED DC CALCULATIONS
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 **3.00 Units**
SEMICONDUCTORS DEVICES AND APPLICATIONS (CSU)
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/ K324

ELECTRONICS TECHNOLOGY 158 **3.00 Units**
SEMICONDUCTORS DEVICES AND ELECTRONICS LABORATORY (CSU)
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 **3.00 Units**
DIGITAL CIRCUITS AND APPLICATIONS (CSU)
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	TTh	CH/ K364

ELECTRONICS TECHNOLOGY 160 **2.00 Units**
DIGITAL CIRCUITS AND APPLICATIONS LAB (CSU)
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 - 11:45am	TTh	CH/ K364

ELECTRONICS TECHNOLOGY 161 **3.00 Units**
F.C.C. RADIO OPERATOR LICENSE
This course provides information required by the Electronics Technician to aid in passing the F.C.C. general radiotelephone license examination. The F.C.C. rules, regulations, and theory areas are explained and sample F.C.C. type tests are given. Marine and aeronautical rules and regulations are also studied and are necessary for passing the general radiotelephone examination.

7832	3:10 hrs/wk	TBA	ON LINE

Please visit the online program homepage at 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.

ELECTRONICS TECHNOLOGY 252 **3.00 Units**
NETWORK CABLING SPECIALIST
This course is designed to provide students with the basic skills used in network technology. The successful completion of the course leads to a certificate in network cabling. Students will become familiar with EIA/TIA 568 Standards (Electronics Industry Alliance/ Telecommunications Association). Students will learn various cables used in network cabling industry such as CAT 5, CAT5E, and coaxial cables and correctly terminate them.

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

ELECTRONICS TECHNOLOGY 253 **3.00 Units**
FIBER OPTICS
This course is designed to provide students with the knowledge and skills necessary to become entry-level technicians in the network cabling industry with a concentration in fiber optics. Successful completion of this course leads to industry certification.

0512	7:00am - 9:05am	M	CH/ K364
& lab	9:25am - 12:35pm	M	CH/ K364

ELECTRONICS TECHNOLOGY 254 **3.00 Units**
COMPUTER APPLICATIONS FOR ELECTRONICS TECHNOLOGY
This course introduces students to computer hardware, software related technology and their uses impact on society and education; hands-on experience with applications of software, such as Excel, Word, Power Point with an emphasis on electronics applications software such as Electronic Work Bench and VISIO.

0515	7:00am - 9:05am	M	CH/ K302
& lab	9:25am - 12:25pm	M	CH/ K302

ENGINEER - OPERATION / MAINTENANCE ENGINEER - OPERATION / MAINTENANCE 228 **6.00 Units**
STEAM PLANT OPERATION I
Related engineering information concerning high pressure steam plants in office buildings and industrial establishments are studied in this course. Emphasis is given to steam power plant, use of steam tables, types of boilers, construction of boilers, boiler accessories, settings for combustion equipment and heating surfaces; operation of steam boilers and the combustion of fuels.

4755	**6:00pm - 9:10pm**	**WF**	**OH/ F208**

ENGINEER - OPERATION / MAINTENANCE 229 **6.00 Units**
STEAM PLANT OPERATION II
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 lec 6:00pm - 9:10pm TTh P.A. BRADY SQ/ B320

ENGINEERING, GENERAL

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

ENGINEERING, GENERAL 101 **2.00 Units**
INTRODUCTION TO SCIENCE, ENGINEERING AND TECHNOLOGY (UC:CSU)

1701	**6:00pm - 7:00pm**	**T**	**CH/ K420**
& lab	**7:00pm - 8:05pm**	**T**	**CH/ K420**
1702	9:00am - 10:00am	Th	CH/ K424
& lab	10:00am - 12:05pm Th		CH/ K424
1703	**6:00pm - 7:00pm**	**M**	**CH/ K258**
& lab	**7:00pm - 9:10pm**	**M**	**CH/ K258**

ENGINEERING, GENERAL 131 **3.00 Units**
STATICS (UC:CSU)
Prerequisite: Math 265 with a grade of 'C' better.

1711	**3:30pm - 4:30pm**	**MW**	**MH 301**
& lab	**4:30pm - 6:00pm**	**MW**	**MH 301**

ENGINEERING, GENERAL 151 **3.00 Units**
MATERIALS OF ENGINEERING (UC:CSU)
Prerequisite: Chemistry 101 & Physics 1

1712	**4:15pm - 5:45pm**	**TTh**	**CH/ K422**

ENGINEERING, GENERAL 241 **3.00 Units**
STRENGTH OF MATERIALS (UC:CSU)

1713	1:00pm - 2:00pm	MW	MH 301
& lab	2:00pm - 3:30pm	MW	MH 301

ENGLISH

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

ENGLISH 028 **3.00 Units**
INTERMEDIATE READING AND COMPOSITION
Prerequisite: English 21.
In this course, students plan, draft, revise, and edit compositions of increasing sophistication and complexity, progressing from multi-paragraph essays to research papers. Writing is based on readings that cover topics that challenge students' thinking and provide an intellectual background for the assignments. Readings, discussion, and writing assignments may focus on fiction, non-fiction, memoirs, and/or poetry. This course prepares students for English 101.

1341	2:15pm - 5:25pm	W	AH/T E212
1346	8:40am - 10:05am	MW	AH/T E210
1359	2:15pm - 5:25pm	T	AH/T E213
1392	2:15pm - 5:25pm	Th	AH/T E212
1397	10:20am - 11:45am TTh		AH/T E206
1398	12:00pm - 2:10pm	MW	AH/T E201
&	2:05 hrs/wk	TBA	AH/T E210

(8 Week Class - Starts 8/31/2015, Ends 10/25/2015)
Section #1398 - Fashion, Sign Graphics, & VIS COM - Fast Track

3835	**6:00pm - 9:10pm**	**T**	**AH/T E208**
3836	**6:00pm - 9:10pm**	**W**	**AH/T E210**
7946	3:25 hrs/wk	TBA	ON LINE

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

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

1342	8:40am - 10:05am	MW	AH/T E210
1343	10:20am - 11:45amMW		AH/T E208
1345	12:00pm - 3:25pm	W	AH/T E206
1347	10:20am - 11:45amMW		AH/T E210
1348	12:00pm - 1:25pm	TTh	AH/T E212
1349	8:40am - 10:05am	MW	AH/T E208
1350	8:40am - 10:05am	TTh	AH/T E210
1351	12:00pm - 1:25pm	MW	AH/T E213
1353	**6:00pm - 9:10pm**	**W**	**AH/T E215**
1362	10:20am - 11:45amTTh		AH/T E210
1390	10:20am - 11:45amMW		AH/T E212
3833	**6:00pm - 9:10pm**	**W**	**AH/T E212**

ENGLISH 101 **3.00 Units**
COLLEGE READING AND COMPOSITION I (UC:CSU)
Prerequisite: English 28;
In English 101, students extend their knowledge of the principles and structure of academic writing beyond the level of English 28 through the practice of writing essays and the analysis of non-fiction and select short and full-length fiction. The course includes an introduction to persuasive discourse, research skills, critical reading and thinking, and argumentation. Various compositions and extensive research assignments are required. English 101 fulfills the writing requirement for the Associate of Arts degree and fulfills the transfer requirement to a four-year college.

1352	8:40am - 10:05am	MW	AH/T E206
1354	12:00pm - 2:05pm	T	AH/T E208
&	1:05 hrs/wk	TBA	ON LINE

section #1354 - Science focus

1355	10:20am - 11:45am	TTh	AH/T E208
1356	10:20am - 11:45am	MW	AH/T E208
1357	8:40am - 10:05am	MW	AH/T E215
1358	12:00pm - 1:25pm	TTh	AH/T E215
1382	12:00pm - 2:05pm	W	AH/T E212
&	1:05 hrs/wk	TBA	ON LINE

#1382 - Fashion, Sign Graphics, VIS COM Fast Track

3827	**6:00pm - 9:10pm W B.L. JACOBS**		**AH/T E208**
3907	**6:00pm - 9:10pm T F.J. VILLANI**		**AH/T E212**
7950	3:25 hrs/wk	TBA	ON LINE
7951	3:25 hrs/wk	TBA	ON LINE
7952	3:10 hrs/wk	TBA	ON LINE

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 lec	**6:00pm - 8:00pm T J.I. ORTIZ**		**AH/T E212**
&	1:05 hrs/wk	TBA	ON LINE
7941	3:20 hrs/wk	TBA	ON LINE

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	10:20am - 11:45am	TTh	AH/T E215
1385	12:00pm - 1:25pm	TTh	AH/T E215
3829	**6:00pm - 9:10pm**	**W**	**AH/T E213**
7943	3:25 hrs/wk	TBA	ON LINE
7944	3:25 hrs/wk	TBA	ON LINE

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	ON LINE

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

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

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

ENGLISH AS A SECOND LANGUAGE

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

ENGLISH AS A SECOND LANGUAGE 006A 6.00 Units

COLLEGE ESL VI: WRITING AND GRAMMAR (CSU)
Prerequisite: ESL 5A
ESL 6A students practice prewriting, editing, and rewriting skills that will lead to organized, well developed essays. A short research paper is also included. ESL 6A is part of sequel of ESL writing courses that leads to college level composition.

1561	8:40am - 11:50am	TTh	AH/T E113

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.

5712	**6:00pm - 7:30pm**	**MTWTh**	**OH/ F228**
(8 Week Class - Starts 8/31/2015, Ends 10/23/2015)			
5713	**6:00pm - 7:30pm**	**MTWTh**	**OH/ F228**
(8 Week Class - Starts 10/26/2015, Ends 12/20/2015)			
5937	**5:00pm - 8:00pm**	**MTW**	**AJRC HS**
(14 Week Class - Starts 9/21/2015, Ends 12/21/2015)			
8755	8:00am - 9:30am	MTWTh	OH/ F228
(8 Week Class - Starts 8/31/2015, Ends 10/23/2015)			
8756	8:00am - 9:30am	MTWTh	OH/ F228
(8 Week Class - Starts 10/26/2015, Ends 12/20/2015)			

ENGLISH AS A SECOND LANGUAGE - Noncredit 007CE 0.00 Unit

ENGLISH AS A SECOND LANGUAGE - I (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	**6:00pm - 7:30pm**	**MTWTh**	**CY/ D204**
(8 Week Class - Starts 10/26/2015, Ends 12/20/2015)			
5715	**6:00pm - 7:30pm**	**MTWTh**	**CY/ D204**
(8 Week Class - Starts 8/31/2015, Ends 10/23/2015)			
8757	8:00am - 9:30am	MTWTh	CY/ D204
(8 Week Class - Starts 8/31/2015, Ends 10/23/2015)			
8758	8:00am - 9:30am	MTWTh	CY/ D204
(8 Week Class - Starts 10/26/2015, Ends 12/20/2015)			

ENGLISH AS A SECOND LANGUAGE - Noncredit 008CE 0.00 Unit

ENGLISH AS A SECOND LANGUAGE - II (NDA) (RPT 9)
Listening, reading, speaking, and writing skills for ESL learners with some English language skills.

5716	**6:00pm - 7:30pm**	**MTWTh**	**CY/ D200**
(8 Week Class - Starts 10/26/2015, Ends 12/20/2015)			
5717	**6:00pm - 7:30pm**	**MTWTh**	**CY/ D200**
(8 Week Class - Starts 8/31/2015, Ends 10/23/2015)			
8759	8:00am - 9:30am	MTWTh	CY/ D200
(8 Week Class - Starts 8/31/2015, Ends 10/23/2015)			
8760	8:00am - 9:30am	MTWTh	CY/ D200
(8 Week Class - Starts 10/26/2015, Ends 12/20/2015)			

ENVIRONMENTAL SCIENCE

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

ENVIRONMENTAL SCIENCE 001 3.00 Units

THE HUMAN ENVIRONMENT: PHYSICAL PROCESSES (UC:CSU)
Introduction to the environmental mechanisms that constitute our life support systems and the social, political and economic factors that are the ultimate cause of these problems. This includes an examination of the difference between science and technology and the limits to technological solutions to our environmental problems. The basic science required to understand how our environmental systems work is presented followed by analysis of the essential components of our life support systems and how we impact them. Finally, the major environmental issues are analyzed along with potential solutions to these problems where they exist.

4093	9:00am - 12:10pm	Sat	AH/T E210
&	3:25 hrs/wk	TBA	AH/T E210

ESL CIVICS

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

ESL CIVICS 013CE 0.00 Unit

ESL AND CIVICS IV (NDA) (RPT 9)

8761	9:45am - 11:15am	MTWTh	CY/ D200
(8 Week Class - Starts 8/31/2015, Ends 10/23/2015)			
8762	9:45am - 11:15am	MTWTh	CY/ D200
(8 Week Class - Starts 10/26/2015, Ends 12/20/2015)			
8763	9:00am - 12:20pm	Sat	MA 109A-2

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 8/31/2015, Ends 10/23/2015)			
7051	7:00am - 8:10am	MTWThF	CY/ D234
& lab	8:10am - 11:30am	MTWThF	CY/ D234
(8 Week Class - Starts 8/31/2015, Ends 10/23/2015)			
7052	11:45am - 12:55pm	MTWThF	CY/ D332
& lab	12:55pm - 4:15pm	MTWThF	CY/ D332
(8 Week Class - Starts 8/31/2015, Ends 10/23/2015)			
7053	7:00am - 8:10am	MTWThF	CY/ D234
& lab	8:10am - 11:30am	MTWThF	CY/ D234
(8 Week Class - Starts 10/26/2015, Ends 12/18/2015)			
7054	11:45am - 12:55pm	MTWThF	CY/ D234
& lab	12:55pm - 4:15pm	MTWThF	CY/ D234
(8 Week Class - Starts 10/26/2015, Ends 12/18/2015)			

FASHION DESIGN 112 5.00 Units

BASIC FASHION ART AND DESIGN (CSU)
Instruction includes drawing the women's fashion figure, drawing children and men's figures, flats, various styles and details. Introduction to color, design theory, fabric properties and rendering. Merchandising a garment line.

7055	7:00am - 8:10am	MTWThF	CY/ D203
& lab	8:10am - 11:30am	MTWThF	CY/ D203
(8 Week Class - Starts 8/31/2015, Ends 10/23/2015)			

7056 11:45am - 12:55pm MTWThF CY/ D102
& lab 12:55pm - 4:15pm MTWThF CY/ D102
(8 Week Class - Starts 8/31/2015, Ends 10/23/2015)
7057 7:00am - 8:10am MTWThF CY/ D203
& lab 8:10am - 11:30am MTWThF CY/ D203
(8 Week Class - Starts 10/26/2015, Ends 12/18/2015)
7058 7:00am - 8:10am MTWThF CY/ D105
& lab 8:10am - 11:30am MTWThF CY/ D105
(8 Week Class - Starts 10/26/2015, Ends 12/18/2015)
7059 11:45am - 12:55pm MTWThF CY/ D102
& lab 12:55pm - 4:15pm MTWThF CY/ D102
(8 Week Class - Starts 10/26/2015, Ends 12/18/2015)

FASHION DESIGN 119A **1.50 Units**
HISTORY OF COSTUME I (CSU)
7062 12:00pm - 1:45pm TTh STAFF CY/ D236
(8 Week Class - Starts 8/31/2015, Ends 10/23/2015)

FASHION DESIGN 119B **1.50 Units**
HISTORY OF COSTUME II (CSU)
7063 12:00pm - 1:45pm TTh STAFF CY/ D236
(8 Week Class - Starts 10/26/2015, Ends 12/18/2015)

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 10/26/2015, Ends 12/18/2015)
7065 7:00am - 8:10am MTWThF CY/ D331
& lab 8:10am - 11:30am MTWThF CY/ D331
(8 Week Class - Starts 10/26/2015, Ends 12/18/2015)
7066 11:45am - 12:55pm MTWThF CY/ D105
& lab 12:55pm - 4:05pm MTWThF CY/ D105
(8 Week Class - Starts 10/26/2015, Ends 12/18/2015)

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 8/31/2015, Ends 10/23/2015)
7069 7:00am - 8:10am MTWThF CY/ D205
& lab 8:10am - 11:30am MTWThF CY/ D205
(8 Week Class - Starts 8/31/2015, Ends 10/23/2015)
7070 11:45am - 12:55pm MTWThF CY/ D105
& lab 12:55pm - 4:15pm MTWThF CY/ D105
(8 Week Class - Starts 8/31/2015, Ends 10/23/2015)

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 10/26/2015, Ends 12/18/2015)
7077 7:00am - 8:10am MTWThF CY/ D333
& lab 8:10am - 11:30am MTWThF CY/ D333
(8 Week Class - Starts 10/26/2015, Ends 12/18/2015)
7078 11:45am - 12:55pm MTWThF CY/ D331
& lab 12:55pm - 4:15pm MTWThF CY/ D331
(8 Week Class - Starts 10/26/2015, Ends 12/18/2015)

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 8/31/2015, Ends 10/23/2015)
7080 7:00am - 8:10am MTWThF CY/ D130
& lab 8:10am - 11:30am MTWThF CY/ D130
(8 Week Class - Starts 8/31/2015, Ends 10/23/2015)
7081 11:45am - 12:55pm MTWThF CY/ D331
& lab 12:55pm - 4:15pm MTWThF CY/ D331
(8 Week Class - Starts 8/31/2015, Ends 10/23/2015)

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
Prerequisties: 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

FASHION DESIGN 141 **5.00 Units**
ADVANCED DESIGN (CSU)
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 8/31/2015, Ends 10/23/2015)
7085 7:00am - 8:10am MTWThF CY/ D230
& lab 8:10am - 11:30am MTWThF CY/ D230
(8 Week Class - Starts 8/31/2015, Ends 10/23/2015)

FASHION DESIGN 142 **5.00 Units**
MANUFACTURING PRODUCTION (CSU)
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 10/26/2015, Ends 12/18/2015)
7089 7:00am - 8:10am MTWThF CY/ D230
& lab 8:10am - 11:30am MTWThF CY/ D230
(8 Week Class - Starts 10/26/2015, Ends 12/18/2015)

FASHION DESIGN 147 **2.00 Units**
FASHION SHOW PRODUCTION
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 lec 12:00pm - 1:30pm F T. WALKER CY/ D236
& lab 1:05 hrs/wk TBA - T. WALKER 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 CY/ D234
7101 lab 8:35am - 3:05pm Sat CY/ D130

FASHION DESIGN 223 **2.00 Units**
SAMPLE MAKING AND DESIGN II
The objective of this course is to advance the sewing skills of fashion design students. Students are assigned to create and construct a coordinated group using industrial patterns. Selected blouses, shirts, pants and jacket are made.
4251 lab 6:00pm - 9:10pm TTh CY/ D234
7103 lab 8:35am - 3:05pm Sat CY/ D130

FASHION DESIGN 224 **2.00 Units**
SAMPLE MAKING AND DESIGN III
Instruction is provided on construction and fitting of selected commercial patterns adapted to industry standards. Students receive instruction in the theory of color, line and proportion. They create or select designs suitable to the individual and occasion. Selected soft dressmaker type coats, suits, vests, blouses, and dresses are made.
4252 lab 6:00pm - 9:10pm TTh CY/ D234
7105 lab 8:35am - 3:05pm Sat CY/ D130

FASHION DESIGN 225 **2.00 Units**
PATTERN MAKING AND DESIGN I
Advisory: Fashion Design 222;
Entry level class offering instruction in development of a basic block, test fitting, and additional basic pattern making fundamentals.
4253 lab 6:00pm - 9:10pm MW CY/ 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 offereing 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 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

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 C.R. WATANABE 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 CY/ D102
7121 lab 8:35am - 3:05pm Sat CY/ D105

FASHION DESIGN 241 **2.00 Units**
GOWN DRAPING AND DESIGN III
This course correlates the designer's knowledge of designing, sketching, patternmaking, draping, and construction. Students develop confidence as they study the problems of merchandising and manufacturing. Original designs for special occasion garments are executed in various fabrics.
4271 lab 6:00pm - 9:10pm TTh CY/ D102
7122 lab 8:35am - 3:05pm Sat CY/ D105

FASHION DESIGN 244 **2.00 Units**
COMPUTER FASHION ART
This course offers computer fashion art instruction using the MAC computer. Emphasis is placed on the preparation and input of fashion images for portfolios and design presentations as required by industry standards.
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 10/26/2015, Ends 12/18/2015)

FASHION DESIGN 270 **2.00 Units**
ILLUSTRATOR FOR FASHION DESIGN
This course offers Adobe Illustrator instruction using the Macintosh computer. Emphasis is placed on the preparation and input of fashion design ideas in flat drawings for portfolios, pattern information cards, and cost sheets as required to meet industry standards.
7134 lab 8:35am - 3:05pm SAT L.L. ADAMS 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 lec 4:25 hrs/wk TBA - N. GLASS VILLALOBOS 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 in order to gain broad insight to the unique aspects of these industry segments.
7162 10:30am - 12:15pmMW CY/ D300

FASHION MERCHANDISING 030 **3.00 Units**
WHOLESALE MERCHANDISING (CSU)
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 **3.00 Units**
FASHION MERCHANDISE BUYING (CSU)
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 **4.00 Units**
COOPERATIVE EDUCATION - FASHION MERCHANDISING
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 **5.00 Units**
ELEMENTARY FRENCH I (UC:CSU)
This course introduces the cultures and civilization of France and the French-speaking world. This introductory course stresses the fundamentals of French pronunciation and grammar; the building of a practical basic vocabulary; and the development of the ability to speak, understand, read, and write simple contemporary French .
1447 10:10am - 12:40pm TTh OH/ F223

FRENCH 002 **5.00 Units**
ELEMENTARY FRENCH II (UC:CSU)
Prerequisite: French 1.
This course completes the study of elementary grammar, increases vocabulary, includes the reading of simplified texts with continued emphasis on aural and written comprehension, oral expression, and the writing of simple French. Further study of French and Francophone cultures are expected to be covered.
1448 12:50pm - 3:20pm TTh OH/ F223

GEOGRAPHY

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

GEOGRAPHY 001 **3.00 Units**
PHYSICAL GEOGRAPHY (UC:CSU)
This course studies the physical environment of earth. Emphasis is placed on climate, soils, vegetation, landforms, maps, weather systems, oceans, and the atmosphere, and their pattern on Earth.
4080 6:00pm - 9:10pm M AH/T E306

GEOGRAPHY 002 **3.00 Units**
CULTURAL ELEMENTS OF GEOGRAPHY (UC:CSU)
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

GEOLOGY

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

GEOLOGY 001 **3.00 Units**
PHYSICAL GEOLOGY (UC:CSU)
.
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, tsunami, 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.

1697	8:00am - 11:10am	F	AH/T E312
4143	8:00am - 11:10am	Sat	AH/T E308

HEALTH

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

HEALTH 006 **3.00 Units**
NUTRITION FOR HEALTHFUL LIVING AND FITNESS ACTIVITIES (UC:CSU)
Basic nutrition theories, information for healthful food purchasing, and relationship of nutrition to disease. Benefits of exercise and techniques for body conditioning are learned. Class time includes participation in fitness activities including aerobic, developmental and flexibility exercises.

3806	**5:00pm - 6:50pm**	**W**	**OH/ F215**
& lab	**6:50pm - 8:40pm**	**W**	**WH/ J212**

HEALTH 008 3.00 Units
WOMEN'S PERSONAL HEALTH (UC:CSU)
A study of factors affecting physical, social and emotional well-being of women in our society.

1321	11:45am - 1:10pm	TTh	OH/ F215
1322	1:20pm - 2:45pm	TTh	OH/ F215

HEALTH 011 **3.00 Units**
PRINCIPLES OF HEALTHFUL LIVING (UC:CSU)
This course offers concepts to use today and tomorrow as guidelines for self-directed responsible living. Health topics cover the emotional and mental health, cardiovascular fitness, nutrition, chronic and communicable diseases, environmental issues, and the life cycle. Student is provided with self-assessments for examining their lifestyle habits and relationships, as well as, resources for getting help when they need it.

1324	7:00am - 8:25am	MW	OH/ F215
1325	8:35am - 10:00am	MW	OH/ F215
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/ F216
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 012 **3.00 Units**
SAFETY EDUCATION AND FIRST AID (UC:CSU)
This course involves the theory and detailed demonstration of the first aid care of the injured. The student will learn to assess a victimâ€™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 - 11:35amMW		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 - 1:10pm	MW	OH/ F215

HISTORY

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

HISTORY 011 **3.00 Units**
POLITICAL AND SOCIAL HISTORY OF THE UNITED STATES I (UC:CSU)
Advisory: English 28.
This course will examine the historical development of the United States of America from 1492 to the close of the Civil War. Emphasis is placed on the relationship of regions, the role of major ethnic and social groups, the continuity of the American experience, and its derivation from other cultures, politics, economics, social movements, and its geography.

1010	8:35am - 10:00am	MW	AH/T E313
1011	8:35am - 10:00am	MW	AH/T E301
1012	10:10am - 11:35am	MW	AH/T E301
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

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

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

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

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

HISTORY 043 **3.00 Units**
THE MEXICAN-AMERICAN IN THE HISTORY OF THE UNITED STATES I (UC:CSU)

1024	10:10am - 11:35am	TTh	AH/T E313

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

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
3851	**6:00pm - 9:10pm**	**T**	**AH/T E206**
3852	**4:00pm - 7:10pm**	**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 lec 10:10am - 11:35am TTh A.E. ARMSTRONG 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 I (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
2709	10:10am - 10:25am	MW	POOL
& lab	10:25am - 11:35am	MW	POOL

KINESIOLOGY 300-2 **1.00 Unit**
SWIMMING NON-SWIMMER II (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
&	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
2710	10:10am - 10:25am	MW	POOL
& lab	10:25am - 11:35am	MW	POOL

KINESIOLOGY 301-1 **1.00 Unit**
SWIMMING SKILLS I (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.

2712	9:00am - 9:30am	F	POOL
& lab	9:30am - 12:05pm	F	POOL

KINESIOLOGY 301-2 **1.00 Unit**
SWIMMING SKILLS II (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.

2722 lab	9:00am - 11:30am	F	POOL
& lec	11:30am - 12:05pm	F	POOL

KINESIOLOGY 303-1 **1.00 Unit**
AQUA AEROBICS I (CSU) (RPT 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.

2713	1:20pm - 1:35pm	TTh	POOL
& lab	1:35pm - 2:45pm	TTh	POOL

KINESIOLOGY 303-2 **1.00 Unit**
AQUA AEROBICS II (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 **1.00 Unit**
SWIM AND RUN I (UC:CSU)

2715	11:45am - 12:00pm	TTh	POOL
& lab	12:00pm - 1:10pm	TTh	POOL

KINESIOLOGY 307-2 **1.00 Unit**
SWIM AND RUN II (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	POOL

KINESIOLOGY 329-1 1.00 Unit
BODY CONDITIONING I (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**
2233	9:00am - 9:30am	F	CH/K BASE
& lab	9:30am - 12:05pm	F	CH/K BASE

KINESIOLOGY 329-2 **1.00 Unit**
BODY CONDITIONING II (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 lab	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	TTh	CH/K BASE
&	8:45am - 10:00am	TTh	CH/K BASE
2218 lab	10:10am - 11:20am TTh		CH/K BASE
&	11:20am - 11:35amTTh		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**
2234	9:00am - 9:30am	F	CH/K BASE
& lab	9:30am - 12:05pm	F	CH/K BASE

KINESIOLOGY 330-1 **1.00 Unit**
CARDIO KICKBOXING I (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 II (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 332-1 **1.00 Unit**
STEP AEROBICS I (CSU) (RPT 3)

2717	10:10am - 10:25am	MW	LG/ G100
& lab	10:25am - 11:35am	MW	LG/ G100
2718	11:45am - 12:00pm	MW	LG/ G100
& lab	12:00pm - 1:10pm	MW	LG/ G100

KINESIOLOGY 334-1 **1.00 Unit**
FITNESS WALKING I (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	WH/ J212
& lab	10:25am - 11:35am	MW	WH/ J212
2229	10:10am - 10:25am	TTh	WH/ J212
& lab	10:25am - 11:35am	TTh	WH/ J212

KINESIOLOGY 350-1 **1.00 Unit**
WEIGHT TRAINING I (CSU)

2231	9:00am - 9:30am	Sat	CH/K BASE
& lab	9:30am - 12:05pm	Sat	CH/K BASE

KINESIOLOGY 366-1 **1.00 Unit**
BADMINTON SKILLS I (CSU)
2719 lec 10:10am - 10:25am TTh M.A. WAGENBACH LG/ G100
& lab 10:25am - 11:35am TTh M.A. WAGENBACH LG/ G100

KINESIOLOGY 387 1.00 Unit
BASKETBALL (UC:CSU)
.
This course is designed to teach all levels of basketball skills. It not only emphasizes fundamental basketball skills such as dribbling, passing and shooting but it also includes the selection and care of equipment, rules, offense and defense strategy, etiquette, terminology and the components of fitness.

2250	1:20pm - 1:35pm	MW	LG/ G100
& lab	1:35pm - 2:45pm	MW	LG/ G100
2251	1:20pm - 1:35pm	TTh	LG/ G100
& lab	1:35pm - 2:45pm	TTh	LG/ G100

KINESIOLOGY 391-1 **1.00 Unit**
VOLLEYBALL I (CSU)

2720	8:35am - 8:50am	MW	LG/ G100
& lab	8:50am - 10:00am	MW	LG/ G100
2721	8:35am - 8:50am	TTh	LG/ G100
& lab	8:50am - 10:00am	TTh	LG/ G100

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

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 STAFF WH/ JFLD

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 5:50pm - 8:10pm MTWThF LG/ G100

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 ATHLETICS 554 **1.00 Unit**
INTERCOLLEGIATE TRACK/FIELD-FITNESS & SKILLS TRAINING (UC:CSU) (RPT 3)
2515 lab 1:20pm - 2:45pm MW WH/ JFLD

KINESIOLOGY ATHLETICS 560 **1.00 Unit**
INTERCOLLEGIATE SWIMMING/DIVING-FITNESS & SKILLS TRAINING (UC:CSU) (RPT 3)
2512 lab 3:00pm - 4:25pm MW POOL

KINESIOLOGY ATHLETICS 563 **1.00 Unit**
INTERCOLLEGIATE VOLLEYBALL-FITNESS & SKILLS TRAINING (CSU) (RPT 3)
This course is designed to provide focused strength and conditioning exercises, emphasize safety and injury prevention, cover new rules, techniques and skills for the sport of volleyball.
2514 lab 11:45am - 1:10pm MW LG/ G100

KINESIOLOGY MAJOR

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

KINESIOLOGY MAJOR 100 **3.00 Units**
INTRODUCTION TO KINESIOLOGY (UC:CSU)
Introduction to the discipline of Kinesiology/Physical Education; examination of the study of physical activity from the perspectives of experience, research, and professional practice. Topics include career opportunities, history, philosophy, current trends and curriculum development.

2100	8:35am - 10:00am	MW	OH/ F216
2101	10:10am - 11:35am	TTh	OH/ F215

KINESIOLOGY MAJOR 101 **3.00 Units**
FIRST AID AND CPR (CSU)
This course covers and expands standard emergency first aid to include situations where help is delayed, during natural disasters and major catastrophies. 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 lec 12:30pm - 3:40pm F OH/ F215

KINESIOLOGY MAJOR 106 **3.00 Units**
SPORTS ETHICS (CSU)
This course addresses a wide range of moral and ethical issues in sports. Topics include values, principles, racial and gender equity, coaching, commercialization, enhancing stimulants and ergogenic aids, eligibility, violence, sportsmanship and Code of Ethics in sports. Examines current and historical events, rules, laws and governing organizations.
7915 3:10 hrs/wk TBA ON LINE

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

KINESIOLOGY MAJOR 134 **2.00 Units**
ADVANCED LIFESAVING (CSU)
Advisories: KIN 201-1 303-3 and or KIN 307-1.
This class provides training in and the opportunity to get certified in the latest Red Cross Lifeguarding program. The Red Cross Lifeguarding certificate includes training in cardiopulmonary resuscitation (CPR), first aid, automated external defibrillator (AED), oxygen administration, and Lifeguard Management materials.

2105	8:30am - 10:30am	Sat	POOL
& lab	10:30am - 12:30pm	Sat	POOL

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.
7860 3:20 hrs/wk TBA ON LINE

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.
0444 8:30am - 5:20pm Sat Sun AH/T E221
(3 Week Class - Starts 10/31/2015, Ends 11/15/2015)

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.
3255 6:00pm - 9:10pm Th LA CFL

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 E107

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.
3251 6:00pm - 9:10pm T UFCW 324
7861 3:25 hrs/wk TBA ON LINE

LABOR STUDIES 011 **3.00 Units**
LABOR IN THE PUBLIC SECTOR (CSU)
This course covers public employment practices, policies, laws and labor relations at the federal, state and local levels.
3253 6:00pm - 9:10pm W TEAM 911

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.
3252 6:00pm - 9:10pm T ILWU 56

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

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 E107

LABOR STUDIES 101 **1.00 Unit**
INTRODUCTION TO UNIONS (CSU)
Overview of union impact on wages, benefits, working conditions and public policies by industry. Surveys basic union structures, operation and governance.
0437 2:20pm - 5:35pm W AH/T E301
(7 Week Class - Starts 9/11/2015, Ends 10/25/2015)
0438 2:20pm - 5:45pm Th AH/T E301
(5 Week Class - Starts 10/22/2015, Ends 11/19/2015)

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.
0446 8:30am - 5:20pm Sat AH/T E221
(2 Week Class - Starts 12/12/2015, Ends 12/19/2015)

LABOR STUDIES 109 **1.00 Unit**
UNION BUILDING STRATEGIES (CSU)
Skills and techniques to build a strong union through strategic planning, leadership development, communication techniques, 1-to-1 techniques, and running effective meetings.
0435 4:05 hrs/wk TBA LA CFL
(12 Week Class - Starts 9/19/2015, Ends 12/5/2015)

LABOR STUDIES 121 **1.00 Unit**
LABOR COMMUNICATIONS (CSU)
This course surveys methods and techniques that modern labor organizations use in e-communications, including web sites, text messaging, Twitter and Facebook, list serves, and e-blasts.
0442 8:30am - 5:20pm Sat TBA
(2 Week Class - Starts 10/3/2015, Ends 10/10/2015)

LABOR STUDIES 123 **1.00 Unit**
STEWARD TRAINING (CSU)
In this course, students will survey the role of union stewards and practice basic skills necessary. Students will overview skills and procedures for communicating with members, processing grievances, solving problems, organizing and mobilizing members.
0441 8:30am - 5:20pm Sat Sun AH/T E221
(1 Week Class - Starts 9/26/2015, Ends 9/27/2015)

LABOR STUDIES 125 **1.00 Unit**
LABOR ARBITRATION (CSU)
The arbitration process covers: selection and authority of arbitrators, preparation and elements of cases, how arbitrators decide cases, settlement techniques, and tips for effective use of arbitration.
0440 8:30am - 5:20pm Sat AH/T E221
(2 Week Class - Starts 9/12/2015, Ends 9/19/2015)

LABOR STUDIES 134 **1.00 Unit**
CALIFORNIA WORKERS' RIGHTS (CSU)
This course examines how the California Labor Code extends basic rights beyond federal law, including: minimum wage, maximum hours, timely pay, overtime and meal periods, right to know, parental and other leave rights, and enforcement procedures.
0443 8:30am - 5:20pm Sat AH/T E221
(2 Week Class - Starts 10/17/2015, Ends 10/24/2015)

LAW

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

LAW 038 **3.00 Units**
CRIMINAL LAW & PROCDEDURE
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 6:00pm - 9:10pm W CH/ K208

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.

0373 3:00pm - 3:30pm TTh CY/ D200
& lab 3:30pm - 4:30pm TTh CY/ D200
(8 Week Class - Starts 8/31/2015, Ends 10/23/2015)
0374 1:15pm - 1:45pm MTWTh CY/ D200
& lab 1:45pm - 2:45pm MTWTh CY/ D200
(8 Week Class - Starts 10/26/2015, Ends 12/20/2015)
0375 1:00pm - 1:30pm MW TBA
& lab 1:30pm - 2:25pm MW TBA
(8 Week Class - Starts 8/31/2015, Ends 10/23/2015)
0376 10:30am - 11:00am TTh TBA
& lab 11:00am - 11:55am TTh TBA
(8 Week Class - Starts 8/31/2015, Ends 10/23/2015)
0377 1:00pm - 1:30pm MW TBA
& lab 1:30pm - 2:25pm MW TBA
(8 Week Class - Starts 10/26/2015, Ends 12/20/2015)
0378 10:30am - 11:00am TTh TBA
& lab 11:00am - 11:55am TTh TBA
(8 Week Class - Starts 10/26/2015, Ends 12/20/2015)

LEARNING SKILLS LAB

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

LEARNING SKILLS LAB 001B 1.00 Unit

READING (NDA)

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 11:30am - 1:00pm MTWTh OH/ F228
(8 Week Class - Starts 8/31/2015, Ends 10/23/2015)
0351 lab 11:30am - 1:00pm MTWTh OH/ F228
(8 Week Class - Starts 10/26/2015, Ends 12/20/2015)

LEARNING SKILLS LAB 001C 1.00 Unit

READING (NDA) (RPT 2)

This course focuses on developing advanced reading skills including interpretation, analysis, and evaluation of fictional and non fictional prose. Students utilize strategies to improve their understanding of the structural features of expository and narrative texts.This course is the third in a sequence of three progressive modules and prepares students for academic and vocational success.

0381 lab 11:30am - 1:00pm MTWTh CY/ D204
(8 Week Class - Starts 8/31/2015, Ends 10/23/2015)
0383 lab 11:30am - 1:00pm TTh CY/ D204
(9 Week Class - Starts 10/25/2015, Ends 12/20/2015)

LEARNING SKILLS LAB 002B 1.00 Unit

ENGLISH FUNDAMENTALS (NDA) (RPT 1)

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 3:00pm - 4:30pm MTWTh MA 109A-2
(8 Week Class - Starts 8/31/2015, Ends 10/23/2015)
0354 lab 8:00am - 9:30am MTWTh MA 109A-2
(8 Week Class - Starts 10/26/2015, Ends 12/20/2015)
0355 lab 1:15pm - 2:45pm MTWTh MA 109A-2
(8 Week Class - Starts 10/26/2015, Ends 12/20/2015)
0359 lab 9:45am - 11:15am MTWTh MA 109A-2
(8 Week Class - Starts 8/31/2015, Ends 10/23/2015)
1281 lab 5:30pm - 8:30pm TTh MA 109A-2
(8 Week Class - Starts 8/31/2015, Ends 10/23/2015)
1283 lab 5:30pm - 8:30pm TTh MA 109A-2
(9 Week Class - Starts 10/25/2015, Ends 12/20/2015)

LEARNING SKILLS LAB 002C 1.00 Unit

ENGLISH FUNDAMENTALS (NDA)

This course focuses on the fundamentals of academic writing. It reinforces basic skills such as the correct use of punctuation, spelling, and writing simple, compound, and complex sentence structures. Students incorporate these skills to develop and write paragraph responses that have a topic sentences, supporting details, and conclusions. Students are also introduced to Basic MLA formatting and work on Moodle activities and assignments.

0356 lab 8:00am - 9:30am MTWTh MA 109A-2
(8 Week Class - Starts 8/31/2015, Ends 10/23/2015)
0357 lab 1:15pm - 2:45pm MTWTh MA 109A-2
(8 Week Class - Starts 8/31/2015, Ends 10/23/2015)
0358 lab 9:45am - 11:15am MTWTh MA 109A-2
(8 Week Class - Starts 10/26/2015, Ends 12/20/2015)
0360 lab 3:00pm - 4:30pm MTWTh MA 109A-2
(8 Week Class - Starts 10/26/2015, Ends 12/20/2015)
1286 lab 5:30pm - 8:50pm MW MA 109A-2
(8 Week Class - Starts 8/31/2015, Ends 10/23/2015)
1288 lab 5:30pm - 8:30pm MW MA 109A-2

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 ultize 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.

0361 lab 1:15pm - 2:45pm MTWTh MA 109A-1
(8 Week Class - Starts 8/31/2015, Ends 10/23/2015)
0362 lab 8:00am - 9:30am MTWTh MA 109A-1
(8 Week Class - Starts 8/31/2015, Ends 10/23/2015)
0363 lab 3:00pm - 4:30pm MTWTh MA 109A-1
(8 Week Class - Starts 10/26/2015, Ends 12/20/2015)
0366 lab 9:45am - 11:15am MTWTh MA 109A-1
(8 Week Class - Starts 10/26/2015, Ends 12/20/2015)
1282 lab 5:30pm - 8:30pm MW MA 109A-1
(8 Week Class - Starts 8/31/2015, Ends 10/23/2015)
1289 lab 5:30pm - 8:30pm MW MA 109A-1
(9 Week Class - Starts 10/25/2015, Ends 12/20/2015)

LEARNING SKILLS LAB 010C 1.00 Unit

MATH FUNDAMENTAL C (NDA)

This basic math fundamental course focuses on the learning skills needed to succeed in pre-algebra up to beginning algebra, and is designed to help students develop symbolic reasoning and calculations with symbols that are central in algebra and geometry. This class provides individualized and computer-assisted instruction. The course is repeatable up to three times to enhance skills and proficiencies. This course is the third in a sequence of three progressive modules and prepares students for academic and vocational success.

0364 lab 9:45am - 11:15am MTWTh MA 109A-1
(8 Week Class - Starts 8/31/2015, Ends 10/23/2015)

0365 lab 3:00pm - 4:30pm MTWTh MA 109A-1
(8 Week Class - Starts 8/31/2015, Ends 10/23/2015)
0367 lab 8:00am - 9:30am MTWTh MA 109A-1
(8 Week Class - Starts 10/26/2015, Ends 12/20/2015)
0368 lab 1:15pm - 2:45pm MTWTh MA 109A-1
(8 Week Class - Starts 10/26/2015, Ends 12/20/2015)
1284 lab 5:30pm - 8:30pm TTh MA 109A-1
(8 Week Class - Starts 8/31/2015, Ends 10/23/2015)
1285 lab 1:15pm - 2:45pm MTWTh MA 109A-2
(8 Week Class - Starts 10/26/2015, Ends 12/20/2015)

LEARNING SKILLS LAB 066 1.00 Unit
GED PREPARATION: SOCIAL STUDIES & SCIENCE (NDA) (RPT 1)
This course is designed to assist students prepare for the Social Studies component of the General Education Development(GED) examination. This course enhances students' ability to read, understand, and use information in the context of social studies. Students will focus on the five basic social studies content areas: United States history, civics and government, economics, and geography. Grades are based on a credit/no-credit basis.
0369 lab 8:00am - 11:00am F Sat MA 109N
(8 Week Class - Starts 8/31/2015, Ends 10/23/2015)
0370 lab 8:00am - 11:00am F Sat MA 109N
(8 Week Class - Starts 10/25/2015, Ends 12/20/2015)

LIBRARY SCIENCE

Chair: Judith Samuel, Mariposa Hall, MA-205b, (213) 763- 3959

LIBRARY SCIENCE 101 1.00 Unit
LIBRARY RESEARCH METHODS (CSU)
This is an introductory course designed to teach students basic library research methods. This course will provide students with a broad knowledge of the use of libraries utilizing both print and electronic information sources. Information search techniques and specialized information tools are examined with an emphasis on finding research resources, writing research papers, citation styles, and plagiarism.
0952 1:10pm - 2:15pm W CH/ K305

MACHINE SHOP - CNC

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

MACHINE SHOP - CNC 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

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 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 7:00am - 10:10am MWF OH/ F164

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 S.T. SHIBUYA OH/F 151A

MACHINE SHOP - CNC 135 3.00 Units
ADVANCED APPLIED MATHEMATICAL CALCULTIONS (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

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

MANAGEMENT 002 **3.00 Units**

ORGANIZATION AND MANAGEMENT THEORY (CSU)

As part of the study of industrial organization, this course covers such topics as financing enterprise, building the internal organization, and plant layout. The study of industrial operations includes production planning and control, inventory and materials handling, quality control, and methods analysis and work simplification. In addition, this course includes a consideration of the principles of industrial relations and personnel management, office management, and internal coordination and environmental issues.

0187	10:20am - 11:45am	MW	CH/ K258

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

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

MARKETING 001 **3.00 Units**

PRINCIPLES OF SELLING (CSU)

This course includes the development of the fundamental principles of wholesale and specialty selling, including such phases as developng the sales plan, securing prospects, effective goods and service presentation, product analysis, closing the sale, and service after the sale.

0189	12:00pm - 1:25pm	MW	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**	**T**	**CH/ K208**

MATHEMATICS

Chair: Tayebeh Meftagh, Aspen Hall - AH/TE-506, (213) 763-7319

MATHEMATICS 105 **3.00 Units**

ARITHMETIC (NDA)

Prerequisite: Mathematics 101; Corequisite: Mathematics 100.
This course reviews fundamentals of arithmetic in college and business. Topics include basic operations with fractions, decimals, percent, and measurement. The course emphasizes problem solving techniques that are useful in practical situations.

1905	8:35am - 10:00am	MW	AH/T E412
1906	1:20pm - 2:45pm	TTh	AH/T E408
1907	1:20pm - 2:45pm	MW	AH/T E308
1909	8:35am - 10:00am	TTh	AH/T E408
1911	11:45am - 1:10pm	TTh	AH/T E413
1912	10:10am - 11:35amTTh		AH/T E415
1913	10:10am - 11:35am	TTh	AH/T E412
1915	10:10am - 11:35am	MW	AH/T E408
1916	**3:00pm - 4:25pm**	**TTh**	**AH/T E408**
4151	**5:30pm - 7:00pm**	**TTh**	**AH/T E408**
4152	**5:30pm - 7:00pm**	**MW**	**AH/T E308**
4154	**7:10pm - 8:40pm**	**MW**	**AH/T E413**
4155	**7:10pm - 8:40pm**	**TTh**	**AH/T E415**

MATHEMATICS 110 **5.00 Units**

INTRODUCTION TO ALGEBRAIC CONCEPTS (NDA)

This course discusses abstract ideas necessary for understanding algebra and reviews selected topics in arithmetic relevant to algebra. Students are introduced to fundamental notions of algebra including signed numbers, variables, simple equations, proportional reasoning, applications, and modeling. This course also includes instruction in mathematics study skills.

1930	**3:00pm - 4:10pm**	**MTWTh**	**AH/T E410**
1931	11:45am - 12:55pmMTWTh		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 - 11:35amMW		AH/T E412
1926	10:10am - 11:35am	TTh	AH/T E408
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	**7:10pm - 8:40pm**	**TTh**	**AH/T E412**
4162	**5:30pm - 7:00pm**	**MW**	**AH/T E413**
4163	**5:30pm - 7:00pm**	**TTh**	**AH/T E415**
4164	**7:10pm - 8:40pm**	**MW**	**AH/T E308**
7917	3:10 hrs/wk	TBA	ON LINE

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	7:00am - 8:25am	TTh	AH/T E310
4170	**6:00pm - 9:10pm**	**Th**	**AH/T E408**

MATHEMATICS 114 **3.00 Units**

ELEMENTARY ALGEBRA B

Prerequisite: Mathematics 113.
The course covers multiplication and division of polynomials, factoring,rational expressions, radicals, quadratic, rational, and radical equations, and application problems. This course is the second half of Math 115. Math 113 and 114 together are equivalent to Math 115. Credit is allowed in only one of Math 115 or the Math 113/114 combination. Concurrent enrollment in Math 113 and 114 is not permitted.

1936	10:10am - 11:35am	MW	AH/T E410
1937	8:35am - 10:00am	TTh	AH/T E306
4176	**5:30pm - 7:00pm**	**TTh**	**AH/T E412**

MATHEMATICS 115 **5.00 Units**

ELEMENTARY ALGEBRA

Prerequisite: Mathematics 112.
Topics include signed numbers, variables, the order of operations; addition, subtraction, multiplication, and division of signed numbers and polynomials. Solve linear equations, inequalities, factoring, graphs. Solve word problems, systems of equations, rational equations, radicals and quadratic equations.

1940	7:00am - 8:10am	MTWTh	AH/T E413
1941	7:00am - 8:10am	MTWTh	AH/T E410
1942	8:35am - 9:45am	MTWTh	AH/T E221
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	**3:00pm - 5:35pm**	**MW**	**AH/T E306**
1950	2:00pm - 4:35pm	TTh	AH/T E413
4180	**6:00pm - 8:35pm**	**MW**	**AH/T E415**
4181	**6:00pm - 8:35pm**	**TTh**	**AH/T E413**
6530	8:35am - 11:05am	MTWTh	AH/T E413

(8 Week Class - Starts 8/31/2015, Ends 10/22/2015)

Section #6530 (Math 115) & #6532 (Math 125) are back-to-back 8-week classes designed for those students who want to complete their Math 115 & 125 in one semester.

6531	7:00am - 9:30am	MTWTh	AH/T E415

(8 Week Class - Starts 8/31/2015, Ends 10/22/2015)

Section #6531 (Math 115) & #6534 (Math 125) are back-to -back 8 week classes designed for those students who want to complete their Math 115 & 125 in one semester.

7920	5:25 hrs/wk	TBA	ON LINE

MATHEMATICS 121 — 3.00 Units

ESSENTIALS OF PLANE GEOMETRY

Prerequisite: Mathematics 115.

This course is an introduction to Euclidean geometry and it is equivalent to one year of high school geometry. This course reviews the basic geometric construction, definitions, postulates, theorems and their proofs for triangles, parallel lines and circles.

1957	10:10am - 11:35am	MW	AH/T E415

MATHEMATICS 125 — 5.00 Units

INTERMEDIATE ALGEBRA

Prerequisite: Mathematics 114 or Mathematics 115.

This course is a study of the properties of real numbers, laws of exponents, radicals, equations & inequalities in linear and quadratic form, system of equations, matrices, graphing in two variables, rational expressions & equations, complex numbers, conic sections & their graphs, exponential and logarithmic functions.

1960	7:00am - 8:10am	MTWTh	AH/T E221
1961	8:35am - 9:45am	MTWTh	AH/T E310
1962	10:10am - 11:20am	MTWTh	AH/T E308
1963	11:45am - 12:55pm	MTWTh	AH/T E310
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 E306
1966	**4:30pm - 5:40pm**	**MTWTh**	**AH/T E310**
1967	2:30pm - 3:40pm	MTWTh	AH/T E310

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	11:45am - 12:55pm	MTWTh	AH/T E306
4190	**6:00pm - 8:35pm**	**MW**	**AH/T E310**
4191	**6:00pm - 8:35pm**	**TTh**	**AH/T E306**
6532	8:35am - 11:05am	MTWTh	MH 301

(8 Week Class - Starts 10/26/2015, Ends 12/18/2015)

Section #6530 (Math 115) & #6532 (Math 125) are back-to-back 8-week classes designed for those students who want to complete their Math 115 & 125 in one semester.

6534	7:00am - 9:30am	MTWTh	AH/T E415

(8 Week Class - Starts 10/26/2015, Ends 12/20/2015)

Section #6531 (Math 115) & #6534 (Math 125) are back-to -back 8 week classes designed for those students who want to complete their Math 115 & 125 in one semester.

7921 lab	5:25 hrs/wk	TBA	ON LINE

MATHEMATICS 227 — 4.00 Units

STATISTICS (UC:CSU)

Prerequisite: Mathematics 125.

Discusses basic concepts and techniques of descriptive and inferential statistics including sampling, probability, statistical distributions, tables and graphs, central limit theory, hypothesis testing, confidence interval estimation, correlation and regression. Most analysis will be done using Excel spreadsheet program.

1978	11:30am - 1:40pm	MW	AH/T E413
1979	11:45am - 1:55pm	TTh	AH/T E415
4213	**6:00pm - 8:10pm**	**M**	**AH/T E408**
&	**6:00pm - 8:10pm**	**W**	**AH/T E408**
4214	**6:00pm - 8:10pm**	**TTh**	**AH/T E308**
7922	4:15 hrs/wk	TBA	ON LINE

MATHEMATICS 240 — 3.00 Units

TRIGONOMETRY (CSU)

Prerequisite: Mathematics 125; Mathematics 121.

Topics include trigonometric functions, circular functions; trigonometric equations; trigonometric identities; solutions of right and oblique triangles; inverse trigonometric functions, graphing; complex numbers and Demoivre's Theorem; polar coordinates; vectors and applications.

1982	7:00am - 8:25am	MW	AH/T E310

MATHEMATICS 245 — 3.00 Units

COLLEGE ALGEBRA (UC:CSU)

Prerequisite: Mathematics 125.

Upon successful completion of this course, students will reinforce the concept of functions and their graphs important in later courses of mathematics, science, business, nursing, or computer science. Polynomial, rational, radical, exponential, and logarithmic equations, both linear and nonlinear systems, sequences and series, and basics of probability are covered to allow students to solve a wide variety of real-life applications.

1985	1:10pm - 2:35pm	TTh	AH/T E410
1986	10:00am - 1:10pm	F	AH/T E410

MATHEMATICS 260 — 5.00 Units

PRECALCULUS (UC:CSU)

Prerequisite: Mathematics 240.

After a brief review of algebra with real and complex numbers, this course will cover the following topics: polynomial and rational functions with informal limits; exponential, logarithmic and trigonometric functions; systems of equations and matrices; sequences, series and the binomial theorem; conics and polar coordinates.

1990	11:45am - 12:55pm	MTWTh	AH/T E308

MATHEMATICS 265 — 5.00 Units

CALCULUS WITH ANALYTIC GEOMETRY I (UC:CSU)

Prerequisite: Mathematics 260.

Introduction to real analysis with analytic geometry; functions, limits and continuity; derivatives and integrals of algebraic and transcendental functions; applications of the derivative to graphing and optimization; the Fundamental Theorem of Calculus and applications of the definite integral.

1992	7:00am - 8:10am	MTWTh	AH/T E412

MATHEMATICS 266 — 5.00 Units

CALCULUS WITH ANALYTIC GEOMETRY II (UC:CSU)

Prerequisite: Mathematics 265.

This course includes differentiation and integration of trigonometric, exponential, logarithmic functions, and hyperbolic functions; conic sections with translations and rotations, techniques of integration; improper integrals, infinite series and polar coordinates.

1993	8:35am - 9:45am	MTWTh	AH/T E410

MATHEMATICS 267 — 5.00 Units

CALCULUS WITH ANALYTIC GEOMETRY III (UC:CSU)

Prerequisite: Mathematics 266.

This course reviews operations with vectors in two and three-dimensional spaces as well as vector-valued functions with their applications. Topics include partial derivatives, Lagrange multiplier, Line integrals, multiple integrals in polar, cylindrical and spherical coordinates, Green's theorem, Surface integrals, Divergence and Stokes theorems.

1994	8:35am - 9:45am	MTWTh	AH/T E308

MATHEMATICS 270 **3.00 Units**
LINEAR ALGEBRA (UC:CSU)
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 - 1:10pm	MW	AH/T E415

MICROBIOLOGY

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

MICROBIOLOGY 001 **5.00 Units**
INTRODUCTORY MICROBIOLOGY (UC:CSU)
Prerequisite: Biology 3; Biology 6; Chemistry 51; Chemistry 101.
This course covers fundamental principles of microbiology and standard laboratory techniques. It includes systematics, morphology, physiology, genetics, ecology and evolution of microorganisms. Medical applications include concepts in microbial growth and control, epidemiology, immunology and disease. Industrial and environmental applications cover use of microorganismsâ€™ diverse metabolic abilities in the production of food, chemicals and medicine, including role in biotechnology and environment.

1645	8:00am - 9:25am	MW	CH/ K408
& lab	9:35am - 12:45pm	MW	CH/ K408

MICROBIOLOGY 020 **4.00 Units**
GENERAL MICROBIOLOGY (UC:CSU)
Prerequisite: Biology 3; Biology 6; Chemistry 51; Chemistry 101.
This is a comprehensive course for nursing and allied health majors. It covers fundamental principles and laboratory techniques related to systematics, morphology, physiology, genetics, ecology and evolution of microorganisms. Medical applications include basic concepts of microbial growth and control, epidemiology, immune response and a survey of important human diseases.

1648	8:30am - 10:00am	TTh	CH/ K321
& lab	10:10am - 11:35am TTh		CH/ K408
1658	2:45pm - 5:55pm	M	CH/ K408
& lab	2:45pm - 5:55pm	W	CH/ K408
4060	**6:00pm - 7:25pm**	**MW**	**CH/ K408**
& lab	7:35am - 9:10am	MW	CH/ K408
4144	9:00am - 12:10pm	Sat	CH/ K408
& lab	1:00pm - 4:10pm	Sat	CH/ K408

MICROCOMPUTER TECHNICIAN

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

MICROCOMPUTER TECHNICIAN 077 **3.00 Units**
CISCO NETWORKING ACADEMY - SEMESTER I
The first in a four course sequence. that qualifies the student to take the CISCO CCNA Certification Test; and covers Fundamentals of Computer Internet-working, Safety Technology, Protocols, Network Theory and Standards, Cabling, Electrical Considerations, OSI Models, IP Addressing and basic networking Hardware.

0521	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 **3.00 Units**
CISCO NETWORKING ACADEMY - SEMESTER II
Prerequisite: Microcomputer Technician 77.
This is the second course in a four course sequence that qualifies the student to take the CISCO CCNA Certification Test; and covers router fundamentals, beginning router setup and configuration, routed and routing protocols, WAN fundamentals, network troubleshooting and network management.
0524 lec 8:00am - 10:10am T M. QUAN CH/ K302
& lab 8:00am - 11:10am Th M. QUAN CH/ K302

MICROCOMPUTER TECHNICIAN 079 **3.00 Units**
CISCO NETWORKING ACADEMY - SEMESTER III
Prerequisite: Microcomputer Technician 78.
This is the third course in a four course sequence that qualifies the student to take the CISCO CERTIFICATION TEST; and covers advanced router set-up and configurations, LAN switching theory and VLANs, advanced LAN and LAN switched design, Novell IPX, and Threaded case studies.

0527	7:00am - 9:05am	F	CH/ K307
& lab	9:25am - 12:35pm	F	CH/ K307

MICROCOMPUTER TECHNICIAN 080 **3.00 Units**
CISCO NETWORKING ACADEMY - SEMESTER IV
Prerequisite: Microcomputer Technician 79.
This is the fourth course in a four course sequence that qualifies the student to take the CISC0 CCNA Certification Exam; and covers advanced WAN theory and design; WAN Technology, PPP, Frame Relay, ISDN; Application of National SCANS skills in manging 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 **2.00 Units**
IT ESSENTIALS APPLICATION SOFTWARE FUNDAMENTALS (CSU)
Instruction and demonstrations are provided on the application, set-up, configuration and operation of a wide ranger of computer programs.

0531	7:00am - 7:50am	W	CH/ K301
& lab	8:00am - 11:10am	W	CH/ K301

MICROCOMPUTER TECHNICIAN 162 **4.00 Units**
IT ESSENTIALS NETWORKING PERSONAL COMPUTERS
The course will assist students in designing, selecting, configuring and installing local area networks. System administration and troubleshooting is also covered in detail.

0533	7:00am - 9:05am	T	CH/ K301
& lab	9:10am - 12:00pm	T	CH/ K301
& lab	7:00am - 9:50am	Th	CH/ K301

MICROCOMPUTER TECHNICIAN 164 **5.00 Units**
IT ESSENTIALS MICROCOMPUTER THEORY AND SERVICING
The course provides servicing techniques for microcomputers and their related peripherals. Hands-on instruction is provided in diagnosing a range of microcomputers malfunctions.

0535	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 **3.00 Units**
LINUX SURVIVAL COURSE (UC:CSU)
This course provides an introduction to the world of Linux (considered the success story of Open Source Software development). Linux and Open Source fundamentals will be taught as well as configuration and basic troubleshooting.

3364	**6:00pm - 8:05pm**	**T**	**CH/ K302**
& lab	**6:00pm - 9:10pm**	**Th**	**CH/ K302**

MICROCOMPUTER TECHNICIAN 166 **3.00 Units**
CCNA SECURITY (NDA)
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	8:00am - 10:05am	Sat	CH/ K305
& lab	10:25am - 1:35pm	Sat	CH/ K305

MOTORCYCLE REPAIR MECHANIC

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

MOTORCYCLE REPAIR MECHANIC 214 **4.00 Units**

MULTI-CYLINDER ELECTRICAL PRINCIPLES AND REPAIR

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.

4503	**6:30pm - 7:30pm**	**TTh**	**OH/ F124**
& lab	**7:30pm - 9:40pm**	**TTh**	**OH/ F124**

MOTORCYCLE REPAIR MECHANIC 216 **4.00 Units**

MULTI-CYLINDER DIAGNOSIS AND OVERHAUL

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.

4502	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 **3.00 Units**

FUNDAMENTALS OF MUSIC (UC:CSU)

This course provides an introduction to Western music theory and composition. The goal is to increase students' enjoyment and appreciation of music by understanding musical terminology, theory, and techniques. By the end of the course, students will be able to write a short musical composition.

1451	8:35am - 10:00am	TTh	OH/ F229
1453	8:35am - 10:00am	MW	OH/ F229
1454	10:10am - 11:35am	MW	OH/ F229
1455	10:10am - 11:35am	TTh	OH/ F229
1466	11:45am - 1:10pm	MW	OH/ F229
3855	**6:00pm - 9:10pm**	**W**	**OH/ F229**

MUSIC 141 **3.00 Units**

JAZZ APPRECIATION (UC:CSU)

A survey of twentieth century ragtime, blues, New Orleans and Chicago jazz, stride piano, swing, bebop, cool jazz, hard bop, modal jazz, third stream, avant-garde and free jazz, fusion, and experimental jazz styles. Emphasis is placed on the music and personalities of those artists who made original contributions and whose work influenced that of other important jazz figures.

1456	8:30am - 9:35am	Sat	MH 308
&	9:45am - 11:50am	Sat	MH 308

NURSING, REGISTERED

Chair: Rosalie Villora, Magnolia Hall, MH-165, (213) 763-7180

NURSING, REGISTERED 121 **3.00 Units**

FUNDAMENTALS OF NURSING (CSU)

This course is an introduction to the philosophy of nursing, nursing history, Maslowâ€™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	H OSP
(8 Week Class - Starts 8/31/2015, Ends 10/23/2015)			
7725	8:00am - 10:50am	Th	MH 207
& lab	7:00am - 1:30pm	TW	HOSP
(8 Week Class - Starts 8/31/2015, Ends 10/23/2015)			
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 8/31/2015, Ends 10/23/2015)			
9530	8:00am - 10:50am	Th	MH 207
& lab	7:00am - 1:30pm	TW	HOSP
(8 Week Class - Starts 8/31/2015, Ends 10/23/2015)			

NURSING, REGISTERED 122 **3.00 Units**

INTRODUCTION TO MEDICAL SURGICAL NURSING (CSU)

Prerequisites: REGNRSG 121 & 123.

This course is designed to introduce the student to the concept of medical surgical nursing using Maslow's Hierarchy of Needs as a framework.

7721	8:00am - 10:50am	Th	MH 207
& lab	7:00am - 11:30am	W	MH 160
or lab	1:00pm - 9:20pm	Th	OLYM MC
(7 Week Class - Starts 10/26/2015, Ends 12/18/2015)			
7728	8:00am - 10:50am	Th	MH 207
& lab	7:00am - 1:30pm	TW	HOSP
(8 Week Class - Starts 10/26/2015, Ends 12/18/2015)			
7729	8:00am - 10:50am	Th	MH 207
& lab	7:00am - 1:30pm	TW	HOSP
(8 Week Class - Starts 10/26/2015, Ends 12/18/2015)			
9531	8:00am - 10:50am	Th	MH 207
& lab	7:00am - 1:30pm	TW	HOSP
(8 Week Class - Starts 10/26/2015, Ends 12/18/2015)			

NURSING, REGISTERED 123 **2.00 Units**

NURSING PROCESS AND COMMUNICATION (CSU)

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

NURSING, REGISTERED 125 **2.00 Units**

NURSING PHARMACOLOGY (CSU)

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 - 11:30am	ThF	MH 161
& lab	7:00am - 7:50pm	M	HOSP
(7 Week Class - Starts 8/31/2015, Ends 10/23/2015)			
7731	8:00am - 11:30am	ThF	MH 161
& lab	7:00am - 7:50pm	T	MH 161
(8 Week Class - Starts 8/31/2015, Ends 10/23/2015)			
7732	8:00am - 11:30am	ThF	MH 161
& lab	7:00am - 7:50pm	T	HOSP
(8 Week Class - Starts 10/26/2015, Ends 12/18/2015)			
7733	8:00am - 11:30am	ThF	MH 161
& lab	7:00am - 7:50pm	M	HOSP
(8 Week Class - Starts 10/26/2015, Ends 12/18/2015)			

NURSING, REGISTERED 127 **5.00 Units**

MEDICAL-SURGICAL NURSING II (CSU)

Prerequisite: Registered Nursing 126 and Registered Nursing 129 and Registered Nursing 130 and Registered Nursing 134;

This intermediate level medical/surgical nursing course focuses on nursing care of adult clients with high acuity problems within hospital and community settings. Students will use nursing process and Maslow's Hierarchy of needs

to plan and implement nursing care. The course builds on the theory and skills presented in RN 126. Leadership role will be expanded.

7734	9:00am - 12:20pm	MW	MH 203
& lab	7:00am - 7:50pm	Th	H OSP

(8 Week Class - Starts 8/31/2015, Ends 10/23/2015)

7735	9:00am - 12:20pm	MW	MH 203
& lab	7:00am - 7:50pm	F	HOSP

(7 Week Class - Starts 10/26/2015, Ends 12/18/2015)

7736	9:00am - 12:20pm	MW	MH 203
& lab	7:00am - 7:50pm	Th	HOSP

(7 Week Class - Starts 10/26/2015, Ends 12/18/2015)

7737	9:00am - 12:20pm	MW	MH 203
& lab	7:00am - 5:50pm	F	HOSP

(8 Week Class - Starts 8/31/2015, Ends 10/23/2015)

NURSING, REGISTERED 128 — 3.00 Units

MEDICAL-SURGICAL NURSING III (CSU)

Prerequisite: Registered Nursing 127 and Registered Nursing 131 and Registered Nursing 134;

This course focuses on the nursing care of medical-surgical clients in a variety of setting. Emphasis will be on classroom and clinical application of critical thinking and caring interventions in chronic, acute, critical care and community health care settings.

7760	9:00am - 12:35pm	W	MH 207
& lab	7:00am - 5:05pm	M	HOSP

(7 Week Class - Starts 8/31/2015, Ends 10/23/2015)

7761	9:00am - 12:35pm	W	MH 207
& lab	7:00am - 5:05pm	F	HOSP

(8 Week Class - Starts 8/31/2015, Ends 10/23/2015)

NURSING, REGISTERED 129 — 2.00 Units

GERONTOLOGY & COMMUNITY BASED NURSING (CSU)

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 8/31/2015, Ends 10/23/2015)

7771	2:00pm - 4:20pm	T	MH 203
& lab	2:00pm - 8:00pm	F	HOSP

(8 Week Class - Starts 8/31/2015, Ends 10/23/2015)

7772	2:00pm - 4:20pm	T	MH 203
& lab	7:00am - 1:35pm	F	MH 203

(7 Week Class - Starts 10/26/2015, Ends 12/18/2015)

7773	2:00pm - 4:20pm	T	MH 203
& lab	2:00pm - 8:00pm	F	HOSP

(7 Week Class - Starts 10/26/2015, Ends 12/18/2015)

NURSING, REGISTERED 130 — 3.00 Units

PSYCHIATRIC-MENTAL HEALTH NURSING (CSU)

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 8/31/2015, Ends 10/23/2015)

7756	9:00am - 12:20pm	W	MH 203
& lab	7:00am - 5:05pm	Th	HOSP

(8 Week Class - Starts 8/31/2015, Ends 10/23/2015)

7757	9:00am - 12:20pm	W	MH 203
& lab	7:00am - 5:05pm	M	HOSP

(7 Week Class - Starts 10/26/2015, Ends 12/18/2015)

7758	9:00am - 12:20pm	W	MH 203
& lab	7:00am - 5:05pm	Th	HOSP

(7 Week Class - Starts 10/26/2015, Ends 12/18/2015)

NURSING, REGISTERED 131 — 3.50 Units

REPRODUCTIVE NURSING AND WOMENS HEALTH (CSU)

Prerequisite: Registered Nursing 126 and Registered Nursing 129 and Registered Nursing 130 and Registered Nursing 134;

This course focuses on the nurse as a provider of care, manager of care and a member of the profession in a variety of maternal/newborn and women's health settings.

7600	8:00am - 1:05pm	T	MH 203
& lab	7:00am - 5:50pm	Th	HOLL PRES

(7 Week Class - Starts 10/26/2015, Ends 12/20/2015)

7745	8:00am - 1:05pm	T	MH 203
& lab	7:00am - 5:50pm	M	HOSP

(7 Week Class - Starts 8/31/2015, Ends 10/23/2015)

7747	8:00am - 1:05pm	T	MH 203
& lab	7:00am - 5:50pm	Th	HOSP

(8 Week Class - Starts 8/31/2015, Ends 10/23/2015)

7748	8:00am - 1:05pm	T	MH 203
& lab	7:00am - 5:50pm	M	MH 203

(8 Week Class - Starts 10/26/2015, Ends 12/18/2015)

NURSING, REGISTERED 132 — 3.50 Units

CARE OF CHILDREN AND FAMILY (CSU)

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	Sat	MH 203
& lab	7:00am - 4:10pm	M	HOSP

(7 Week Class - Starts 8/31/2015, Ends 10/23/2015)

7753	8:00am - 1:05pm	Sat	MH 203
& lab	7:00am - 5:05pm	T	HOSP

(8 Week Class - Starts 8/31/2015, Ends 10/23/2015)

NURSING, REGISTERED 133 — 3.00 Units

NURSING LEADERSHIP & MANAGEMENT (CSU)

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 10/26/2015, Ends 12/18/2015)

NURSING, REGISTERED 134 — 1.00 Unit

NURSING SIMULATION LAB (CSU)

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	3:10 hrs/wk	TBA	MH 160
7801 lab	3:10 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

OFFICE MACHINES

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

OFFICE MACHINES 002 **1.00 Unit**
ADDING AND CALCULATING MACHINES (CSU)
Advisory: Mathematics 105.
This course demonstrates the 10-key touch method and explains the various computerized calculator function keys. The methods used help develop the proper skills needed to use computerized 10-key calculators in the workplace. The review of basic math functions, with emphasis on practical business problems.

0263 lab	1:10pm - 3:20pm	M	CH/ K208

PARALEGAL

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

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 (CSU)
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

PARALEGAL 017 **3.00 Units**
LEGAL WRITING
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 **3.00 Units**
PROBATE PROCEDURES
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 **3.00 Units**
INTRODUCTION TO PHILOSOPHY (UC:CSU)
This course introduces students to philosophy, covering the topics of ethics, logic and language, metaphysics, theory of knowledge, philosophy of religion, and political philosophy. Some of the questions examined include: 'What is the good life?' ' What is right and wrong, and how do we know?' 'What is knowledge and what are its sources? Is it possible that we know nothing at all?' 'Does God exist?' 'Could we ever know?' 'What is the mind?' 'What is justice?' 'What is the basic nature of reality?' An emphasis is placed on developing critical reasoning skills, and relating the topics to larger cultural issues and debates.

1457	10:10am - 11:35am	TTh	OH/ F222
1458	8:35am - 10:00am	MW	AH/T E210
1459	10:10am - 11:35am	MW	AH/T E210
1460	8:35am - 10:00am	TTh	OH/ F222
3857	**6:00pm - 9:10pm**	**Th**	**OH/ F222**

PHILOSOPHY 008 **3.00 Units**
DEDUCTIVE LOGIC (UC:CSU)
This is an introductory course in logic. The student is introduced to the standards and techniques of correct thought with regular practice with short specimens of correct and incorrect reasoning taken from daily life. Consistency, thoroughness, and other aspects of rational thought are fostered.

1461	11:45am - 1:10pm	MW	AH/T E210
1470	11:45am - 1:10pm	TTh	OH/ F222
3858	**6:00pm - 9:10pm**	**T**	**OH/ F222**

PHYSICS

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

PHYSICS 001 **4.00 Units**
MECHANICS OF SOLIDS (UC:CSU)
Prerequisite: Physics 11 or Physics 12; Corequisite: Mathematics 265;
This course covers elements of classical mechanics, including motion in three dimensions, vectors, laws of motion, circular motion, energy and energy transfer, linear momentum, rigid body rotation, angular momentum, static equilibrium and elasticity.

4089	**6:30pm - 9:40pm**	**M**	**CH/ K422**
& lab	**3:00pm - 6:10pm**	**W**	**CH/ K422**

PHYSICS 003 **4.00 Units**
ELECTRICITY AND MAGNETISM (UC:CSU)
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	T	CH/ K422
& lec	1:00pm - 4:10pm	F	MH 309

PHYSICS 006 **4.00 Units**
GENERAL PHYSICS I (UC:CSU)
Prerequisite: Physics 11; Mathematics 125; Mathematics 241;
This course provides a survey of physics at the pre-calculus level, with emphasis on mechanics, wave motion, fluids, heat and thermodynamics. The laboratory consists of engineering applications and problem solving.

4088	**6:30pm - 9:40pm**	**M**	**CH/ K422**
& lab	1:00pm - 4:10pm	F	CH/ K422

PHYSICS 011 **4.00 Units**
INTRODUCTORY PHYSICS (UC:CSU)
Corequisite: Mathematics 113 or Mathematics 115 or Chemical Technology 113 and Chemical Technology 111.
This is a survey course describing the major areas of physics: mechanics, heat, wave motion, electricity and magnetism, electromagnetic radiation and

optics. Mathematical solution of simple problems are covered. This course is not open to students receiving credit for Physics 12.

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 - 9:05am	Th	CH/ K422
& lab	9:10am - 10:15am	Th	CH/ K422
1756	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**
4139	8:00am - 11:10am	Sat	CH/ K422
& lab	12:00pm - 3:10pm	Sat	CH/ K422

PHYSICS 012 **3.00 Units**

PHYSICS FUNDAMENTALS (UC:CSU)

Corequisite: Mathematics 113 or Mathematics 115 or Chemical Technology 113 and Chemical Technology 111;

This is a survey course describing the major areas of physics: mechanics, heat, wave motion, electricity and magnetism, electromagnetic radiation and optics. Mathematical solution of simple problems are covered. This course is not open to students receiving credit for Physics 11.

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 **1.00 Unit**

PHYSICS FUNDAMENTALS LABORATORY (UC:CSU)

Corequisite: Physics 12;

This course covers laboratory experiments in basic measurements, mechanical, thermal, sound, electrical and optical phenomena at an introductory level.

1747 lab	7:00am - 9:05am	Th	CH/ K422
& lab	9:10am - 10:15am	Th	CH/ K422
1758 lab	10:20am - 1:30pm	F	CH/ K422

PHYSIOLOGY

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

PHYSIOLOGY 001 **4.00 Units**

INTRODUCTION TO HUMAN PHYSIOLOGY (UC:CSU)

Prerequisites: Anatomy 001 and Chemistry 51 or Chemistry 65 or Chemistry 101.

1631	8:00am - 9:25am	TTh	CH/ K468
& lab	9:35am - 12:45pm	T	CH/ K468
1632	1:00pm - 2:30pm	TTh	CH/ K321
& 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/ B222
& lab	7:00am - 10:35am	F	SQ/ B222
& lab	9:20am - 11:40am	MW	SQ/ B222

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

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

POLITICAL SCIENCE

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

POLITICAL SCIENCE 001 **3.00 Units**
THE GOVERNMENT OF THE UNITED STATES (UC:CSU)
Advisory: English 28;
Political Science 1 is an introductory course in the principles, institutions and policy processes of the American Political System and an examination of major tenets in Federalism, Representative Government and the scope of the Executive, Legislative and Judicial powers. It offers an overview of local, state and national governance.

1030	8:35am - 10:00am	MW	AH/T E312
1031	10:10am - 11:35am	MW	AH/T E212
1032	11:45am - 1:10pm	MW	AH/T E120
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

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

POWER LINE MECHANIC TRAINEE

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.

8320	7:00am - 8:10am	MTWThF	OH/ F208
&	8:10am - 9:20am	MTWThF	OH/ F208
&	9:20am - 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 lec 12:30pm - 3:40pm F C. SUTTON CH/ K424
4085 lec 6:00pm - 9:10pm W C. SUTTON 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	7:00am - 9:05am	W	CH/ K424
& lab	10:20am - 2:30pm	W	CH/ K424
4086	**4:45pm - 6:50pm**	**Th**	**CH/ K424**
& lab	**6:50pm - 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	7:00am - 9:05am	M	AH/T E111
& lec	11:40am - 12:45pm	M	AH/T E111

PROCESS PLANT TECHNOLOGY 206 **3.00 Units**
PTEC-ADVANCED INSTRUMENTION II
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 - 11:45am	M	CH/ K424

PROCESS PLANT TECHNOLOGY 210 **4.00 Units**
APPLIED INSTRUMENTATION ANALYSIS - I
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 - 9:05am	T	CH/ K464
& lec	9:10am - 12:10pm	T	CH/ K424

PSYCHOLOGY

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

PSYCHOLOGY 001 **3.00 Units**
GENERAL PSYCHOLOGY I (UC:CSU)
Advisory: English 28;
This is an introductory course in psychology as the scientific study of behavior and mental processes. Topics treated include history and systems of psychology, biological bases of behavior, sensation and perception, states of consciousness, learning, memory, cognition, personality, human development, motivation and emotion, health and stress, psychological disorders, and therapies.

1040	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	OH/ F228
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

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

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 Gereral 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

PUBLIC RELATIONS

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

PUBLIC RELATIONS 001 **3.00 Units**
PRINCIPLES OF PUBLIC RELATIONS (CSU)
This course provides students an understanding of the broad aspects of relationships with the public as they apply to business, education, public agencies, and other organizations. It includes methods of either promoting favorable relations with various segments of the public or coping with situations involving adverse public opinion.

0198	1:35pm - 3:00pm	TTh	CH/ K322

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	11:45am - 1:10pm	MW	CH/ K258

REAL ESTATE

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

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**

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**	**W**	**CH/ K210**

REAL ESTATE 007 **3.00 Units**
REAL ESTATE FINANCE I (CSU)
This course provides and explains the real estate lending process in detailâ€"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**	**T**	**CH/ K320**

REFRIGERATION & AIR CONDITIONING MECHANICS

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

REFRIGERATION & AIR CONDITIONING MECHANICS 100
3.00 Units

AIR CONDITIONING PROJECT MANAGEMENT

This course provides HVAC Industry Project Manager instruction. Topics covered will include blueprint reading, Microsoft spreadsheets, Microsoft Word documents, Microsoft Project, design build criteria, estimating, change orders, request for information, GANTT Charts, scheduling, schedule of values, purchase orders, submittals, transmittals, reading of air balance reports, warranty letters and close out packages.

4841 6:00pm - 9:10pm W SQ/ B232

REFRIGERATION & AIR CONDITIONING MECHANICS 101
9.00 Units

AIR CONDITIONING AND REFRIGERATION PRINCIPLES AND PRACTICES-FIRST SEMESTER

This course covers Refrigeration and Air Conditioning Theory, Fundamentals, and practices for entry level students. Topics discussed include refrigeration and air conditioning system components, maintenance procedures, service procedures, and Thermodynamics.

8300 7:00am - 10:10am M SQ/ B250
& lab 7:00am - 12:05pm TWThF SQ/ B250
8302 8:00am - 11:10am Sat SQ/ B232

REFRIGERATION & AIR CONDITIONING MECHANICS 110
2.00 Units

SOLAR WATER & POOL HEATING SYSTEM PRACTICES

This course is designed for students interested in a career in the solar thermal industry. The fundamental practices and functions of the solar thermal industry will be introduced. This course covers the skills and practices for planning, installation, and maintenance of all the necessary components for a solar thermal water system.

4618 lab 11:30am - 5:40pm Sat SQ/ B204

REFRIGERATION & AIR CONDITIONING MECHANICS 123
1.00 Unit

PIPE AND TUBE JOINING PROCESSES

This course assesses assembly of components into operating systems using techniques employed by the industry.

8304 lab 7:00am - 12:05pm MW SQ/ B237

REFRIGERATION & AIR CONDITIONING MECHANICS 124
5.00 Units

REFRIGERATION ELECTRICAL CIRCUITS AND CONTROLS

This course covers the application of electrical principles and practices, including safety and PPE, utilized in the performance of the duties required of a HVACR Technician.

8305 lab 7:00am - 12:05pm TTh SQ/ B237

REFRIGERATION & AIR CONDITIONING MECHANICS 125
3.00 Units

REFRIGERATION SYSTEM COMPONENTS

Instruction is given in basic electricity and electrical components as they relate to the HVAC&R industry. The use of electrical schematic diagrams is stressed throughout the semester.

8306 7:00am - 10:10am F SQ/ B233

REFRIGERATION & AIR CONDITIONING MECHANICS 133
3.00 Units

REFRIGERATION SERVICE PROCEDURES I

Prerequisite: Refrigeration and A/C Mechanics 123; and Refrigeration and A/C Mechanics 124; and Refrigeration and A/C Mechanics 125 ; Corequisite: Refrigeration and Air Conditioning Mechanics 134; and Refrigeration and Air Conditioning Mechanics 135;

This course involves servicing procedures applied to commercial and domestic refrigeration systems including restaurants, supermarkets and industrial process cooling. Students are required to inspect and analyze coolers,freezers and ice makers.

8308 lab 7:00am - 12:05pm MW SQ/ B232

REFRIGERATION & AIR CONDITIONING MECHANICS 134
3.00 Units

SERVICE FOR COMMERCIAL REFRIGERATION

Prerequisite: Refrigeration and A/C Mechanics 123; Refrigeration and A/C Mechanics 124; Refrigeration and A/C Mechanics 125 ; Corequisite: Refrigeration and Air Conditioning Mechanics 133;
and Refrigeration and Air Conditioning Mechanics 135;

This course focuses on troubleshooting procedures in diagnosing and repairing malfunctions in domestic and commercial refrigeration systems. The lab work emphasizes the analyzing and repairing of mechanical and electrical components,with the proper use of tools and test equipment.

8309 lab 7:00am - 12:05pm TTh SQ/ B232

REFRIGERATION & AIR CONDITIONING MECHANICS 135
3.00 Units

AIR CONDITIONING AND REFRIGERATION

Prerequisite: Refrigeration and A/C Mechanics 123; Refrigeration and A/C Mechanics 124; Refrigeration and A/C Mechanics 125 ; Corequisite: Refrigeration and Air Conditioning Mechanics 133;
and Refrigeration and Air Conditioning Mechanics 134;

This course focuses on refrigeration principles including theory of heat, automatic controls, electric motors, and commercial refrigeration. This course gives an in depth look at the refrigeration cycle and refrigeration components. This course discusses thermodynamics, including the pressure temperature chart, latent heat, and system efficiency.

8310 7:00am - 10:10am F SQ/ B221

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
4.00 Units
GAS HEATING SYSTEMS (CSU)
This course will provide the necessary skills needed for proper installation, servicing and troubleshooting of natural gas furnaces. Topics include principles of gas combustion, gas ignition, controls, installation, and ventilation.

4759	**6:00pm - 6:45pm**	**MW**	**SQ/ B237**
& 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**	**SQ/ B250**

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**

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

REFRIGERATION & AIR CONDITIONING MECHANICS 209
4.00 Units
NORTH AMERICAN TECHNICIAN EXCELLENCE (NATE)-AIR CONDITIONING SPECIALIST CERTIFICATION PREPARATION (RP
This course is a preparatory course for the industry standard NATE A/C Specialist certification examination. Topics covered in this course include safety, thermodynamics, electrical system diagnostics, airflow measurements, mechanical code, installation, service, tools, and more!

7867	8:05 hrs/wk	TBA	ON LINE

REFRIGERATION & AIR CONDITIONING MECHANICS 210
3.00 Units
REFRIGERATION SYSTEM EFFICIENCY FACTORS
This course will cover refrigerant, pressure enthalpy diagram, refrigeration piping, system evacuation, charging, and maintenance. The beginning of the class will include a review of terminology and the refrigeration cycle.

4765	12:30pm - 3:40pm	Sat	SQ/ B233

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 255
4.00 Units
ENERGY MANAGEMENT
The course covers the use of computers in the HVACR industry and the application of energy management technology in the improvement of energy efficiencies. The goal is to prepare the HVACR Technician in the use of modern technology, including computers in the continuing quest for improved energy management.

4764	8:00am - 12:10pm	Sat	SQ/ B233

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 I (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 lec 9:00am - 10:00am SAT B.T. JOHNSON SA/ H230
& lab 10:00am - 3:45pm SAT B.T. JOHNSON SA/ H230

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
&	10:00am - 3:45pm	Sat	SA/ H230

SIGN GRAPHICS 212 **2.00 Units**
SIGN DESIGN AND LAYOUT

7226	7:00am - 8:00am	M	SA/ H204
& lab	8:00am - 10:25am	M	SA/ H204

(4 Week Class - Starts 9/24/2015, Ends 10/16/2015)

SOCIOLOGY

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

SOCIOLOGY 001 **3.00 Units**
INTRODUCTION TO SOCIOLOGY (UC:CSU)
This course is designed to acquaint students with the major principles of sociology as they are applied to contemporary social issues. With the use of several theoretical perspectives it examines social structures within American society and other cultures from macro and micro perspectives. There are extensive references to contemporary research findings on social structure, group dynamics, social stratification, and social institutions.

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
9501	**3:45pm - 5:15pm**	**MW**	**CALS ECHS**

(14 Week Class - Starts 9/14/2015, Ends 12/14/2015)

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

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

SOLID WASTE MANAGEMENT TECHNOLOGY

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

SOLID WASTE MANAGEMENT TECHNOLOGY 102 3.00 Units
COLLECTION SYSTEMS, ROUTING, AND MANAGEMENT
This course offers in-depth instruction in the techniques and fundamentals involved in efficient solid waste routing, including topographical variables such as: alleys, one-way streets, hilly areas, downtown areas, and residential communities. The course studies routing for mechanized solid waste collection activities, routing to affect increased productivity, cost reduction, and improved public relations through proper route planning and safety.

4602	**6:00pm - 9:10pm**	**W**	**OH/ F223**

SOLID WASTE MANAGEMENT TECHNOLOGY 107 3.00 Units
WASTE REDUCTION AND RECYCLING
This course is an introduction to the science of solid resource recovery. It presents a broad overview of the methods and techniques, equipment and facilities required in recovery processes. Emphasis is placed on costs and management of the recovery process. Nuclear and non-nuclear types of resource recoveries are studied.

4621	**6:00pm - 9:10pm**	**M**	**OH/ F223**

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 - 11:05am	MW	OH/ F227
1464	8:35am - 11:05am	TTh	OH/ F227
1465	11:45am - 2:15pm	TTh	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.

1471	8:35am - 11:05am	TTh	OH/ F224
1473	1:00pm - 3:30pm	TTh	AH/T E212

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 - 11:05am	MW	OH/ F224
3826	**6:45pm - 9:15pm**	**MW**	**OH/ F227**

SPANISH 036 **5.00 Units**
SPANISH FOR SPANISH SPEAKERS II (UC:CSU)
This course is a continuation of Spanish 35 and it completes the study of grammar and continues the development of reading and writing skills.

1474	9:00am - 2:20pm	F	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 109
8954	18:45 hrs/wk	TBA	MA 109
8955	18:45 hrs/wk	TBA	MA 109
8960	18:45 hrs/wk	TBA	TBA

SUPERVISION

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

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	8:00am - 9:45am	TTh	CH/ K321

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/ K322

SUPPLY WATER TECHNOLOGY

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

SUPPLY WATER TECHNOLOGY 001 **3.00 Units**
WATER DISTRIBUTION 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/ F223

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/ F223

SUPPLY WATER TECHNOLOGY 101 **3.00 Units**
INTRODUCTION TO SUPPLY WATER TECHNOLOGY

4210	**6:00pm - 9:10pm**	**M**	**OH/ F223**

SUPPLY WATER TECHNOLOGY 102 **3.00 Units**
CALCULATIONS AND MEASUREMENT FOR WATER TECHNOLOGY PROGRAMS

4211	**6:00pm - 9:10pm**	**W**	**OH/ F223**

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	**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 CY/ D330
& lab 7:45am - 12:25pm TW CY/ D330
(8 Week Class - Starts 8/31/2015, Ends 10/23/2015)

VISUAL COMMUNICATIONS 103 **2.00 Units**
BASIC COMPUTER SYSTEMS (CSU)
Introduction to using the Macintosh computer for graphic design. Students will learn basic computer functionality, with an emphasis on an understanding of the operations systems, configuration for use with graphic applications, file management and working in a network environment.
7254 7:00am - 7:45am ThF CY/ D303
& lab 7:45am - 12:25pm ThF CY/ D303
(8 Week Class - Starts 8/31/2015, Ends 10/23/2015)

VISUAL COMMUNICATIONS 105 **2.00 Units**
DIGITAL PREPRESS I (CSU)
Beginning level course in the preparation of art for the reproduction process, and its application to the industries of Advertising and Graphic Design. Students will study the history of graphic design, typesetting, paste-up to digital prepress (in black and white and two color reproduction) as an emphasized focus within the course.
7255 7:00am - 7:45am TW CY/ D303
& lab 7:45am - 12:25pm TW CY/ D303
(8 Week Class - Starts 10/26/2015, Ends 12/18/2015)

VISUAL COMMUNICATIONS 106 **2.00 Units**
DRAWING I (CSU)
Introduction to concepts of basic observational drawing, perspective and the principles of light and shade. Black and white and color mediums will be utilized.
7256 7:00am - 7:45am ThF CY/ D301
& lab 7:45am - 12:25pm ThF CY/ D301
(7 Week Class - Starts 10/26/2015, Ends 12/18/2015)

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 CY/ D303
& lab 7:45am - 12:25pm TW CY/ D303
(8 Week Class - Starts 8/31/2015, Ends 10/23/2015)

VISUAL COMMUNICATIONS 114 **2.00 Units**
DIGITAL TYPESETTING (CSU)
Introduction of the principles of computer typesetting as a career. The course will cover the standards and guidelines used to set type for ads, brochures, and stationary. Proofreading and setting copy in multiple computer programs will be stressed.
7259 7:00am - 7:45am ThF CY/ D302
& lab 7:45am - 12:25pm ThF CY/ D302
(8 Week Class - Starts 8/31/2015, Ends 10/23/2015)

VISUAL COMMUNICATIONS 115 **2.00 Units**
GRAPHIC DESIGN II (CSU)
Intermediate level course that will stress Graphic Design as a profession. Problems will emphasize the development of creativity, typography as communication, art production and the computer, and methods for developing brochures, ads and web pages.
7260 7:00am - 7:45am TW CY/ D302
& lab 7:45am - 12:25pm TW CY/ D302
(8 Week Class - Starts 10/26/2015, Ends 12/18/2015)

VISUAL COMMUNICATIONS 116 **2.00 Units**
THREE-DIMENSIONAL PACKAGE DESIGN (CSU)
Introduction to the development of advertising concepts for magazines, television, and the internet. Use research, brainstorming and standard advertising methodology to plan, design and produce an advertising campaign.
7261 7:00am - 7:45am ThF CY/ D330
& lab 7:45am - 12:25pm ThF CY/ D330
(7 Week Class - Starts 10/26/2015, Ends 12/18/2015)

VISUAL COMMUNICATIONS 118 **2.00 Units**
DIGITAL DRAWING (CSU)
Advisory: Visual Communications 103;
Basic training in computer illustration using the Adobe software application Illustrator. Toolbox familiarity and manipulation, menus items, and general skill application will constitutes this beginning level course.
7262 7:00am - 8:00am M CY/ D330
& lab 8:00am - 11:30am M CY/ D330

VISUAL COMMUNICATIONS 119 **2.00 Units**
DIGITAL PAGE LAYOUT (CSU)
Prerequisite: Visual Communications 103;
A hands on course in the use of the relevant industry pagination software. These applications are used for designing brochures, ads, flyers, stationery, magazines, and books. Students will learn how to work seamlessly with other applications. Students will learn to set up and construct page layouts and how

to use software applications as design tools. Students will learn how to specify type, set type for columns, work with spreads and long copy documents using fonts and photos. In addition, students will create spot illustration drawings and graphics. Preflight and final preparation of finished art work for printing.

7263	12:40pm - 3:05pm	W	CY/ D303

VISUAL COMMUNICATIONS 120 **2.00 Units**

DRAWING II (CSU)

An advanced drawing course in which indoor and outdoor observational drawing concepts are linked with magazine and book publishing for the creation of cover art and feature article page layouts.

7264	7:00am - 7:45am	TW	CY/ D302
& lab	7:45am - 12:25pm	TW	CY/ D302

(8 Week Class - Starts 8/31/2015, Ends 10/23/2015)

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 lec 7:00am - 7:45am ThF R.N. HUBBARD CY/ D330
& lab 7:45am - 12:25pm ThF R.N. HUBBARD CY/ D330

(8 Week Class - Starts 8/31/2015, Ends 10/23/2015)

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	CY/ D330
& lab	7:45am - 12:25pm	TW	CY/ D330

(8 Week Class - Starts 10/26/2015, Ends 12/18/2015)

VISUAL COMMUNICATIONS 127 **2.00 Units**

DIGITAL PREPRESS III (CSU)

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	CY/ D303
& lab	7:45am - 12:25pm	ThF	CY/ D303

(7 Week Class - Starts 10/26/2015, Ends 12/18/2015)

VISUAL COMMUNICATIONS 128 **2.00 Units**

DESIGNING LOGOS AND TRADEMARKS (CSU)

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	CY/ D302

VISUAL COMMUNICATIONS 129 **2.00 Units**

DIGITAL PHOTO MANIPULATION (CSU)

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	CY/ D330
& lab	1:45pm - 3:00pm	TTh	CY/ D330

VISUAL COMMUNICATIONS 130 **2.00 Units**

DRAWING III (CSU)

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	CY/ D302
& lab	7:45am - 12:25pm	TW	CY/ D302

(8 Week Class - Starts 8/31/2015, Ends 10/23/2015)

VISUAL COMMUNICATIONS 131 **2.00 Units**

COMPUTER ILLUSTRATION II (CSU)

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	CY/ D330
& lab	7:45am - 12:25pm	ThF	CY/ D330

(8 Week Class - Starts 8/31/2015, Ends 10/23/2015)

VISUAL COMMUNICATIONS 132 **2.00 Units**

PORTFOLIO DEVELOPMENT II (CSU)

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	CY/ D330
& lab	7:45am - 12:25pm	TW	CY/ D330

(8 Week Class - Starts 10/26/2015, Ends 12/18/2015)

VISUAL COMMUNICATIONS 133 **2.00 Units**

DIGITAL PORTFOLIO PREPARATION (CSU)

7272	7:00am - 7:45am	ThF	CY/ D303
& lab	7:45am - 12:30pm	ThF	CY/ D303

(7 Week Class - Starts 10/26/2015, Ends 12/18/2015)

WASTEWATER TECHNOLOGY

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

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.

4122	**6:00pm - 9:10pm**	**T**	**OH/ F223**

WASTEWATER TECHNOLOGY 018 **3.00 Units**

WATER AND WASTEWATER MATHEMATICS

This is a review and practice of basic mathematical concepts required to solve wastewater treatment problems. (Note: this is not a remedial math class).

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/ F150
& lab	9:25am - 2:20pm	Sat	OH/ F156

WELDING GAS AND ELECTRIC 103 **1.00 Unit**

OCCUPATIONAL ORIENTATION FOR WELDERS (NDA)

This course introduce the employability skills outlined in the American Welding Society Guide for the Training and Qualification of Welding Personnel, AWSEG3.0-96. Topics includes:problem solving,identify resources,effective time management,evaluating information sources and ethical issues relating to the welding field.

8250	10:00am - 11:00am	M	OH/ F231

WELDING GAS AND ELECTRIC 104 **3.00 Units**
GAS TUNGSTEN ARC/SHIELDED METAL ARC WELDING (NDA)
This course provide instruction on welding carbon steel pipe to requirements of the American Society of Manufacturing Engineers Boiler and Pressure Vessel Code- Section 9 Welding and Brazing Qualification using the Gas Tungsten Arc and the Shielded Metal Arc welding processes. The course objective requires proficiency in producing high quality welds on 6 inch diameter schedule 80 pipe in the 6G welding positions.
4819 6:00pm - 6:45pm MT OH/ F231
& lab 6:45pm - 9:15pm MT OH/ F156

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/ F156
& 10:10am - 11:45am M OH/ F150

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/ F156
& 11:45am - 1:10pm M OH/ F150

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/ F150

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/ F150

WELDING GAS AND ELECTRIC 151 **2.00 Units**
SHIELD METAL,FLUX CORE & GAS TUNGSTEN ARC WELDING LABORATORY
8255 lab 11:00am - 1:10pm MWF OH/ F156

WELDING GAS AND ELECTRIC 185 **1.00 Unit**
DIRECTED STUDY - WELDING GAS AND ELECTRIC
This course allows students to pursue a directed study in welding technology on a contract basis under the direction of a supervising instructor.
8253 10:00am - 11:00am Th OH/ F231

WELDING GAS AND ELECTRIC 201 **2.00 Units**
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.
4820 lab 6:00pm - 9:15pm WTh OH/ F156

WELDING GAS AND ELECTRIC 202 **2.00 Units**
WELDING-GAS AND ELECTRIC 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.
8254 lab 11:00am - 2:15pm TTh 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 251 **2.00 Units**
TUNGSTEN INERT GAS WELDING
Students will learn Inert Gas Welding. Gas Tungsten Arc Welding (TIG) and Gas Metal arc welding. (MIG) Distinguish among manual , semiautomatic, and automatic modes of operation and Safety.
8256 lab 1:10pm - 3:20pm MWF OH/ F156

WELDING GAS AND ELECTRIC 285 2.00 Units
DIRECTED STUDY - WELDING GAS AND ELECTRIC
This course allows students to pursue a directed study in welding technology on a contract basis under the direction of a supervising instructor.
8252 10:00am - 11:00am TW OH/ F231