

# **Winter 2015 Class Schedule**

**January 5 to February 7**

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LOS ANGELES TRADE-TECH  
**LATTC**  
A Community College

# WINTER 2015 Class Schedule

January 5 to February 8



## ACCOUNTING

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

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.

0133lec 7:00am - 9:45am MTWTh CH/K 304  
(5 Week Class - Starts 1/5/2015, Ends 2/8/2015)

## ANTHROPOLOGY

Chair: Dr. 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.

1000lec 10:10am - 12:40pm MTWTh AH/T E312  
(5 Week Class - Starts 1/5/2015, Ends 2/8/2015)

## ARCHITECTURE

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

ARCHITECTURE 160 3.00 Units  
COMPUTERS FOR DESIGNERS (CSU)

The student will learn how to become a designer and a technologist in three dimensional digital environments. The student will use the power of the tools to be inspired and to collaborate. This course is geared towards the built environment, ecological, entertainment and industrial designers. Students will learn how the space of a place affects the way we think, act and create. Emphasis is placed on how designers can optimize and understand the role of digital mediums in today's competitive edge and sustainable demands. Basic computer operations like operating systems, interfaces, print, view, export, file management, image manipulation are covered within the design exercises.

8002lec 8:00am - 8:50am MTWTh CY/ D302  
&lab 8:50am - 12:20pm MTWTh CY/ D302  
(5 Week Class - Starts 1/5/2015, Ends 2/8/2015)

ARCHITECTURE 341 3.00 Units  
GIS METROPOLITAN ACCESS PLANNING SYSTEMS I (CSU)

This course will cover the interconnection of BIM, CAD, GIS, spatial systems and online mapping in one construct. GIS technology and related geospatial technologies will explore intelligent building drawings as they connect to multiple environments; ecological, buildings and socio economic forces. GIS are spatial drawings with multiple types of information associated with them; business, land use, roads, rivers, parcel maps, census, others. This course introduces fundamental concepts and functionality of spatial thinking and visual computation. The course uses the GIS analytical process to quantify and qualify multiple layers of spatial information applied to sustainable projects.

4737lec 5:00pm - 5:50pm MTWTh CY/ D331  
&lab 5:50pm - 9:20pm MTWTh CY/ D331  
(5 Week Class - Starts 1/5/2015, Ends 2/8/2015)

## 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.

1415lec 7:30am - 10:00am MTWTh MH 308  
(5 Week Class - Starts 1/5/2015, Ends 2/8/2015)

## ASTRONOMY

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.

1602lec 8:00am - 10:30am MTWTh AH/T E111  
(5 Week Class - Starts 1/5/2015, Ends 2/6/2015)

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.

1603lab 11:00am - 1:30pm MTWThM CH/ K420  
(5 Week Class - Starts 1/5/2015, Ends 2/6/2015)

## 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.

7318lec 7:00am - 7:50am MTWTh OH/ F108  
&lab 7:50am - 12:25pm MTWTh OH/ F108  
(5 Week Class - Starts 1/5/2015, Ends 2/8/2015)

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.

7314lec 7:00am - 7:45am MTWTh OH/ F130  
&lab 7:50am - 1:15pm MTWTh OH/ F130  
(5 Week Class - Starts 1/5/2015, Ends 2/8/2015)

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## AUTOMOTIVE AND RELATED TECHNOLOGY 144 3.00 Units CALIFORNIA STATE BUREAU OF AUTOMOTIVE REPAIR CLEAN AIR CAR

The course is designed to upgrade knowledge of the students who are currently employed in the automotive field. This course also prepares students for employment and licensing in the California State Smog Check Program and prepares them for the California State Smog License Examination. Materials and content comply with Bureau of Automotive Repair requirements.

7316lec 7:00am - 7:50am MTWTh OH/ F128  
&lab 7:50am - 12:25pm MTWTh OH/ F128  
(5 Week Class - Starts 1/5/2015, Ends 2/8/2015)

## AUTOMOTIVE COLLISION REPAIR

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

## 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.

7346lec 7:00am - 7:50am MTWTh OH/ F132  
&lab 7:50am - 12:25pm MTWThF OH/ F110  
(5 Week Class - Starts 1/5/2015, Ends 2/8/2015)

## 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.

8710lec 1:15pm - 2:40pm MTWTh MA 109A-2  
&lec 2:40pm - 4:40pm MTWTh MA 109A-2  
(5 Week Class - Starts 1/5/2015, Ends 2/8/2015)

## 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.

8706lec 1:15pm - 4:20pm MTWTh OH/ F209  
(5 Week Class - Starts 1/5/2015, Ends 2/8/2015)

## 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.

8709lec 1:15pm - 2:20pm MTWTh MA 109N  
&lab 2:40pm - 7:10pm MTWTh MA 109N  
(4 Week Class - Starts 1/12/2015, Ends 2/8/2015)

## 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).

8708lec 8:00am - 10:50am MTWTh MA 109-1  
(1 Week Class - Starts 1/5/2015, Ends 1/9/2015)

## BIOLOGY

## 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.

1600lec 8:00am - 10:30am MTWTh CH/ K408  
&lab 10:40am - 1:25pm MTWTh CH/ K408  
(5 Week Class - Starts 1/5/2015, Ends 2/6/2015)

## 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.

1605lec 8:00am - 10:30am MTWTh CH/ K468  
&lab 10:40am - 1:25pm MTWTh CH/ K468  
(5 Week Class - Starts 1/5/2015, Ends 2/8/2015)

## BIOTECHNOLOGY

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

## BIOTECHNOLOGY 010 4.00 Units

### INTRODUCTION TO BIOMANUFACTURING I

1610lec 7:00am - 9:30am MTWTh CH/ K466  
&lab 9:40am - 12:25pm MTWTh CH/ K406  
(5 Week Class - Starts 1/5/2015, Ends 2/8/2015)

## 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.

0134lec 7:00am - 9:45am MTWTh CH/ K210  
(5 Week Class - Starts 1/5/2015, Ends 2/8/2015)

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## CARPENTRY

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

**CARPENTRY 105** 3.00 Units  
**CALCULATIONS AND MEASUREMENT FOR WOODWORKING STUDENTS I**  
This course covers the basic math skills needed to perform in the construction field. Emphasis is placed on the basic operations and how they are applied to carpentry. Measurement calculations will be performed in both standard and metric measurements.  
**4723lec 6:00pm - 9:35pm MTW** **SQ/ B104**  
(5 Week Class - Starts 1/5/2015, Ends 2/8/2015)

**CARPENTRY 111A** 3.00 Units  
**CONSTRUCTION I (CSU)**  
This course covers use and operation of hand tools, machine tools, and portable electric tools commonly used in the construction trades. Fundamentals of residential foundation and wall construction, use of rough and finish hardware, glues and adhesives, federal, state, and local building codes and ordinances are studied.  
**8005lec 10:00am - 12:35pm MTWTh** **SQ/ B105**  
(5 Week Class - Starts 1/5/2015, Ends 2/8/2015)

**CARPENTRY 111B** 2.00 Units  
**CONSTRUCTION I**  
This is the second laboratory course in the Carpentry 111 sequence. This covers use and operation of hand tools, machine tools, and portable electric tools commonly used in the construction trades. Fundamentals of residential foundation and wall construction will be the focus of this course.  
**8006lab 12:45pm - 4:15pm MTWTh** **SQ/ B105**  
(5 Week Class - Starts 1/5/2015, Ends 2/8/2015)

## CHEMISTRY

**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.  
**1601lec 8:00am - 11:30am MTWTh** **AH/T E120**  
**&lab 11:40am - 2:20pm MTWTh** **CH/ K464**  
(5 Week Class - Starts 1/5/2015, Ends 2/6/2015)

## CHILD DEVELOPMENT

Chair: Dr. 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.  
**1006lec 12:40pm - 3:10pm MTWTh** **AH/T E323**  
(5 Week Class - Starts 1/5/2015, Ends 2/8/2015)

## 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  
**1340lec 10:10am - 12:40pm MTWTh** **AH/T E206**  
(5 Week Class - Starts 1/5/2015, Ends 2/5/2015)  
**1341lec 12:15pm - 2:45pm MTWTh** **AH/T E201**  
(5 Week Class - Starts 1/5/2015, Ends 2/5/2015)

## COMMUNITY PLANNING/ECONOMIC DEVELOPMENT

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

**COMMUNITY PLANNING/ECONOMIC DEVELOPMENT 005**  
**SECTOR DEVELOPMENT AND EMPLOYMENT STRATEGIES (CSU)** 3.00 Units  
This course will focus on how a strong understanding of industry sectors can be linked to viable job creation and employment strategies. Particular attention will be devoted to sector initiatives and training programs in the greater Los Angeles region.  
**3270lec 6:00pm - 8:55pm MTWTh** **CH/ K210**  
(5 Week Class - Starts 1/5/2015, Ends 2/5/2015)

## COMPUTER APPLICATIONS OFFICE TECHNOLOGIES

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

**COMPUTER APPLICATIONS OFFICE TECHNOLOGIES 084**  
**MICROCOMPUTER OFFICE APPLICATIONS: WORD PROCESSING (CSU)** 3.00 Units  
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.  
**0353lec 7:00am - 8:50am MTWTh** **CH/ K320**  
**&lab 9:00am - 11:35am MTWTh** **CH/ K320**  
(5 Week Class - Starts 1/5/2015, Ends 2/8/2015)

**COMPUTER APPLICATIONS OFFICE TECHNOLOGIES 098**  
**MICROCOMPUTER OFFICE APPLICATIONS: INTRO TO WINDOWS** 3.00 Units  
This course is designed to prepare students to operate a computer in the Windows environment. This course covers elements of Windows including: Windows operation, disk and file management, modification and customization of the Windows environment, and application of Windows accessories. This class requires both on campus and online work.  
**0354lec 12:00pm - 1:50pm MTWTh** **CH/ K320**  
**&lab 2:00pm - 4:35pm MTWTh** **CH/ K320**  
(5 Week Class - Starts 1/5/2015, Ends 2/8/2015)

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## COMPUTER INFORMATION SYSTEMS

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

### 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.

0542lec 7:00am - 8:30am MTWTh CH/ K307  
&lab 8:30am - 10:05am MTWTh CH/ K305  
(5 Week Class - Starts 1/5/2015, Ends 2/8/2015)

### 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.

0545lec 10:30am - 12:05pm MTWTh CH/ K305  
&lab 12:05pm - 1:40pm MTWTh CH/ K305  
(5 Week Class - Starts 1/5/2015, Ends 2/8/2015)

## COSMETOLOGY

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

### COSMETOLOGY 210 3.00 Units INTRODUCTION TO HAIR COLORING

Prerequisite: Cosmetology 112;

Students are offered an introduction to basic hair coloring categories, applications and bleaching techniques. In addition, the course will concentrate on hair cutting, hair styling, and permanent waving procedures.

4308lec 4:00pm - 5:10pm MTWTh MH 247  
&lab 5:10pm - 9:20pm MTWTh MH 247  
(5 Week Class - Starts 1/5/2015, Ends 2/5/2015)

7018lec 7:00am - 8:10am MTWTh MH 247  
&lab 8:10am - 12:30pm MTWTh L.H. CHENMH 247  
(5 Week Class - Starts 1/5/2015, Ends 2/5/2015)

### COSMETOLOGY 211 3.00 Units INTERMEDIATE HAIR COLORING AND STYLING

Prerequisite: Cosmetology 112;

Students are offered an introduction to intermediate hair coloring, bleaching and toning applications and techniques. In addition, the course will concentrate on hair cutting, hair styling, and skin care procedures.

4309lec 4:00pm - 5:10pm MTWThS. SHACKELFORDMH 247  
&lab 5:10pm - 9:20pm MTWThS. SHACKELFORDMH 247  
(5 Week Class - Starts 1/5/2015, Ends 2/5/2015)

7019lec 7:00am - 8:10am MTWTh MH 247  
&lab 8:10am - 12:30pm MTWTh MH 247  
(5 Week Class - Starts 1/5/2015, Ends 2/5/2015)

### COSMETOLOGY 214 3.00 Units

#### ADVANCED HAIR COLORING AND STYLING

Prerequisite: Cosmetology 112;

Students are offered instruction in permanent hair coloring applications, color correction techniques, zonal and block highlighting effects. In addition, the course will concentrate on hair cutting, thermal hair styling, long hair designing and nail technology.

4310lec 4:00pm - 5:10pm MTWTh MH 247  
&lab 5:10pm - 9:20pm MTWTh MH 247  
(5 Week Class - Starts 1/5/2015, Ends 2/5/2015)

7020lec 7:00am - 8:10am MTWTh MH 247  
&lab 8:10am - 12:30pm MTWTh MH 247  
(5 Week Class - Starts 1/5/2015, Ends 2/5/2015)

### COSMETOLOGY 215 3.00 Units

#### CONTEMPORARY STYLING TECHNIQUES

Prerequisite: Cosmetology 112;

Students receive instruction in advanced hair designing, hair coloring, hair sculpting, and chemical texture services.

4311lec 4:00pm - 5:10pm MTWTh MH 247  
&lab 5:10pm - 9:20pm MTWTh MH 247  
(5 Week Class - Starts 1/5/2015, Ends 2/5/2015)

7021lec 7:00am - 8:10am MTWTh MH 247  
&lab 8:10am - 12:30pm MTWTh MH 247  
(5 Week Class - Starts 1/5/2015, Ends 2/5/2015)

## 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

7500lec 7:30am - 9:05am MTWTh SA/ H132  
&lab 9:05am - 2:30pm MTWTh SA/ H107  
(5 Week Class - Starts 1/5/2015, Ends 2/8/2015)

7501lec 9:30am - 11:05am MTWTh SA/ H132  
&lab 11:05am - 4:20pm MTWTh SA/ H102  
(5 Week Class - Starts 1/5/2015, Ends 2/8/2015)

### 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.

7502lec 7:00am - 10:20am MTWTh AH/T E201  
(3 Week Class - Starts 1/5/2015, Ends 1/22/2015)

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**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  
7504lec 6:30am - 12:40pm MTWTh SA/ H107  
&lab 12:40pm - 3:45pm MTWTh SA/ H132  
(5 Week Class - Starts 1/5/2015, Ends 2/5/2015)

**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.  
7505lec 8:00am - 12:20pm MW SA/ H301  
(5 Week Class - Starts 1/5/2015, Ends 2/5/2015)

## **DIESEL AND RELATED TECHNOLOGY**

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

**DIESEL AND RELATED TECHNOLOGY 265** 4.00 Units  
**COMPRESSED NATURAL GAS 9CNG0, LIQUEFIED NATURAL GAS FUELS & ELECTRONICS CONTROLS**  
This course provides an introduction to Compressed Natural Gas (CNG) and Liquefied Natural Gas (LNG) fuel safety and handling, CNG/LNG fuel system layout, ignition systems, and the electronic controls that support the use of this alternative fuel.  
7348lec 7:00am - 9:30am MTWTh OH/ F210  
&lab 9:30am - 12:50pm MTWTh OH/ F100  
(5 Week Class - Starts 1/5/2015, Ends 2/8/2015)

## **ECONOMICS**

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

**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.  
1001lec 10:00am - 12:30pm MTWTh CH/ K321  
(5 Week Class - Starts 1/5/2015, Ends 2/8/2015)

## **EDUCATION**

Chair: Dr. 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 educations. Topics of this course include a basic understanding of a teacher's role and challenges in society, contemporary education issues within historical, social, philosophical, legal, and political contexts, impact of government policies on schools and children, and the various perspectives on curriculum and instruction. Students are required to complete a minimum of 45 hours of fieldwork in an approved elementary, self-contained classroom. A TB test, finger print (live scan), and background check may be required by individual elementary school.  
1002lec 10:00am - 12:30pm MTWTh AH/T E401  
(5 Week Class - Starts 1/5/2015, Ends 2/8/2015)

## **ELECTRICAL CONSTRUCTION AND MAINTENANCE**

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

**ELECTRICAL CONSTRUCTION AND MAINTENANCE 100 (O.S.H.A.) SAFETY STANDARDS: CONSTRUCTION & INDUSTRY** 2.00 Units  
(Same as Building Construction Techniques 102).  
This course provides instruction on industry safety and health rules as it applies to workers and employers within the construction industry. Topics such as fall protection, lock out tag out procedures, PPE, excavations, etc. are covered. Participants that meet the required hourly attendance and successfully pass the final exam will be eligible to receive their OSHA (30 hrs.) safety-training certificate.  
4719lec 6:00pm - 9:20pm TW SQ/ B351  
(5 Week Class - Starts 1/5/2015, Ends 2/8/2015)

**ELECTRICAL CONSTRUCTION AND MAINTENANCE 115 FUNDAMENTALS OF D.C. ELECTRICITY** 3.00 Units  
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.  
8007lec 10:00am - 12:45pm MTWTh SQ/ B352  
(5 Week Class - Starts 1/5/2015, Ends 2/8/2015)

**ELECTRICAL CONSTRUCTION AND MAINTENANCE 116 HANDTOOLS AND WIRING PRACTICES (CSU)** 2.00 Units  
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.  
4777lab 4:00pm - 9:35pm MTWTh SQ/ B301  
(5 Week Class - Starts 1/5/2015, Ends 2/8/2015)

**ELECTRICAL CONSTRUCTION AND MAINTENANCE 119 ELECTRICAL CONSTRUCTION AND MAINTENANCE** 3.00 Units  
This is an entry level course in electrical calculations and measurements with special emphasis on the application problems encountered in the electrical construction industry.  
8008lec 7:00am - 9:45am MTWTh SQ/ B330  
(5 Week Class - Starts 1/5/2015, Ends 2/8/2015)

# WINTER 2015 Class Schedule

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## ELECTRICAL CONSTRUCTION AND MAINTENANCE 191 COMMERCIAL WIRING AND PRACTICES 2.00 Units

Instruction is given in installation of wiring systems such as non-metallic sheathed cable, armored cable, flexible metal conduit, electrical metallic tubing, and PVC. Emphasis is given on National Electric Code standards.

**4720lec 6:00PM - 6:50PM MTWTh STAFFSQ/ B337**  
**&lab 6:50:00PM - 9:35:00PM MTWTh STAFFSQ/ B337**  
(5 Week Class - Starts 1/5/2015, Ends 2/8/2015)

## ELECTRICAL CONSTRUCTION AND MAINTENANCE 192 RESIDENTIAL WIRING AND PRACTICES 2.00 Units

The course content includes the installation of residential wiring materials including non-metallic sheathed cable, armored cable and flexible metal conduit for outlets, appliances and lighting.

**4721lec 6:00pm - 6:50pm MTWTh SQ/ B337**  
**&lab 6:50pm - 9:35pm MTWTh SQ/ B337**  
(5 Week Class - Starts 1/5/2015, Ends 2/8/2015)

## ELECTRONICS TECHNOLOGY

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

## ELECTRONICS TECHNOLOGY 2543.00 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.

**0515lec 8:00am - 9:30am MTWTh CH/ K305**  
**&lab 9:30am - 12:00pm MTWTh CH/ K305**  
(5 Week Class - Starts 1/5/2015, Ends 2/8/2015)

## ENGINEER-OPR/MAINTENANCE - APPRENTICE

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

## ENGINEER-OPR/MAINTENANCE - APPRENTICE 720 HVACR I 2.00 Units

An introduction to the Principles and practices for the installation and maintenance of residential, commercial, and industrial heating, air conditioning, ventilation, and refrigeration systems. Equipment selection, maintenance, and safety will be covered.

**5020lec 6:00pm - 6:45pm MTWTh SELIG2501 W3ST**  
**&lab 6:45pm - 9:10pm MTWTh SELIG2501 W3ST**  
(5 Week Class - Starts 1/5/2015, Ends 2/8/2015)

Operation/Maintenance Engineer Classes:  
2501 West 3rd Street, Los Angeles, CA 90057. Contact 213-385-2889

## ENGINEER-OPR/MAINTENANCE - APPRENTICE 724 FUNDAMENTALS OF ELECTRICITY 2.00 Units

This course covers the basic principles and practices of A/C & D/C electricity. Analyzing series, parallel and complex circuits, using Ohm's law, the power equation, Kirchhoff's laws, and other applicable laws and equations.

**5024lec 6:00pm - 6:45pm MTWTh SELIG2501 W3ST**  
**&lab 6:45pm - 9:10pm MTWTh SELIG2501 W3ST**  
(5 Week Class - Starts 1/5/2015, Ends 2/8/2015)

Operation/Maintenance Engineer Classes:  
2501 West 3rd Street, Los Angeles, CA 90057. Contact 213-385-2889

## ENGINEER-OPR/MAINTENANCE - APPRENTICE 750 INDOOR AIR QUALITY 4.00 Units

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.

**5050lec 6:00pm - 9:20pm MTWTh W.D. ELARTON-SELIG2501 W3ST**

(5 Week Class - Starts 1/5/2015, Ends 2/8/2015)

Operation/Maintenance Engineer Classes, 2501 West 3rd Street, Los Angeles, CA 90057. Contact 213-385-2889

## ENGINEER-OPR/MAINTENANCE - APPRENTICE 753 BOILERS FOR APPRENTICES 4.00 Units

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

**5053lec 6:00pm - 9:20pm MTWTh SELIG2501 W3ST**

(5 Week Class - Starts 1/5/2015, Ends 2/8/2015)

Operation/Maintenance Engineer Classes:  
2501 West 3rd Street, Los Angeles, CA 90057. Contact 213-385-2889

## ENGLISH

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

## ENGLISH 021 3.00 Units ENGLISH FUNDAMENTALS (NDA)

Prerequisite: Placement Exam or Learning Skills 2C or Basic Skills 2CE

This course focuses on the fundamentals of academic reading, writing, and critical thinking. It reinforces basic skills such as the correct use of punctuation, spelling, and sentence structure. Students incorporate these skills, along with sentence combining techniques, to write single paragraph responses progressing to short essays (250-500 words) that have an introduction, body, and conclusion.

**1343lec 10:40am - 1:35pm MTWTh AH/T E208**  
(5 Week Class - Starts 1/5/2015, Ends 2/8/2015)

**3825lec 5:45PM - 8:15PM MTWTh AH/T E210**  
(5 Week Class - Starts 1/5/2015, Ends 2/8/2015)

**\*1344lec 1:45pm - 4:40pm MTW AH/T E208**  
**&lec 3:05 hrs/wk ONLINE AH/T E208**  
(5 Week Class - Starts 1/5/2015, Ends 2/8/2015) Transportation Focus

**\*1349lec 1:45pm - 4:40pm MTW AH/T E212**  
**&lec 3:05 hrs/wk ONLINE AH/T E212**  
(5 Week Class - Starts 1/5/2015, Ends 2/8/2015) Design and Media Arts Focus

\*Denotes Pathway Fast-Track Session

## 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.

**1345lec 7:30am - 10:00am MTWTh AH/T E210**  
(5 Week Class - Starts 1/5/2015, Ends 2/8/2015)

**1346lec 10:40am - 1:10PM MTWTh AH/T E210**  
(5 Week Class - Starts 1/5/2015, Ends 2/8/2015)

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**3826lec 5:45pm - 8:15pm MTWTh AH/T E208**  
(5 Week Class - Starts 1/5/2015, Ends 2/8/2015)  
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.  
1348lec 10:40am - 1:10pm MTW AH/T E212  
&lec 3:05 hrs/wk TBA ON LINE  
(5 Week Class - Starts 1/5/2015, Ends 2/8/2015)  
Please visit the online program homepage at <http://moodle.lattc.edu> prior to the start of class for directions, or see the "Online Class" section of this schedule for more information.

1350lec 3:05 hrs/wk TBA ON LINE  
(5 Week Class - Starts 1/5/2015, Ends 2/8/2015)  
Please visit the online program homepage at <http://moodle.lattc.edu> prior to the start of class for directions, or see the "Online Class" section of this schedule for more information.

**3827lec 5:45pm - 8:45pm MTWTh AH/T E215**  
(5 Week Class - Starts 1/5/2015, Ends 2/8/2015)

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.  
1352lec 10:15am - 12:45pm MTWTh AH/T E215  
(5 Week Class - Starts 1/5/2015, Ends 2/8/2015)  
1353lec 7:30am - 10:00am MTWTh AH/T E215  
(5 Week Class - Starts 1/5/2015, Ends 2/8/2015)

## ENGLISH AS A SECOND LANGUAGE - NONCREDIT

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

ENGLISH AS A SECOND LANGUAGE - Noncredit 006CE  
ENGLISH AS A SECOND LANGUAGE - 0 (NDA) (RPT 9)  
0.00 Unit

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.

**5716lec 6:00pm - 8:50pm MTWTh OH/ F209**  
(5 Week Class - Starts 1/5/2015, Ends 2/8/2015)  
8756lec 8:00am - 10:50am MTWTh OH/ F209  
(5 Week Class - Starts 1/5/2015, Ends 2/8/2015)

ENGLISH AS A SECOND LANGUAGE - Noncredit 007CE  
ENGLISH AS A SECOND LANGUAGE - 1 (NDA) (RPT 9)  
0.00 Unit  
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.

**5717lec 6:00pm - 8:50pm MTWTh CY/ D204**  
(5 Week Class - Starts 1/5/2015, Ends 2/8/2015)  
8757lec 8:00am - 10:50am MTWTh CY/ D200  
(5 Week Class - Starts 1/5/2015, Ends 2/8/2015)

ENGLISH AS A SECOND LANGUAGE - Noncredit 008CE  
0.00 Unit  
ENGLISH AS A SECOND LANGUAGE - 2 (NDA) (RPT 9)  
Listening, reading, speaking, and writing skills for ESL learners with some English language skills.

**5718lec 6:00pm - 8:50pm MTWTh CY/ D200**  
(5 Week Class - Starts 1/5/2015, Ends 2/8/2015)

8758lec 8:00am - 10:50am MTWTh CY/ D204  
(5 Week Class - Starts 1/5/2015, Ends 2/8/2015)

## ESL CIVICS

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

ESL CIVICS 013CE 0.00 Unit  
ESL AND CIVICS 4 (NDA) (RPT 9)  
8759lec 11:00am - 1:50pm MTWTh STAFFCY/ D200  
(5 Week Class - Starts 1/5/2015, Ends 2/8/2015)

## FASHION DESIGN

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

FASHION DESIGN 119 3.00 Units  
HISTORY OF COSTUME

This course surveys the origins and development of clothing from prehistoric times through the 20th century. Students will explore costume from its earliest origins through adaptation and assimilation into popular 'fashion' in each century. Instruction will include in-depth study of fashion trends, creators, and political climate that has influenced the creation of men's and women's fashion. The influence of historical costume on contemporary dress is discussed.

7072lec 9:00am - 10:45am TWTh CY/ D236  
(5 Week Class - Starts 1/5/2015, Ends 2/6/2015)

FASHION DESIGN 139 2.00 Units  
COORDINATED SPORTSWEAR (CSU)

Prerequisite: Fashion Design 132; Advisory: Fashion Design 118; Fashion Design 138;  
Instruction is given on the development of coordinated sportswear including story board presentation and critique. This class has been developed to focus on this most important component of the local apparel industry with concentration on jacket and pant construction and coordination of multiple fabrications within a group.

7094lec 7:00am - 7:50am MTWTh CY/ D230  
&lab 7:50am - 10:45am MTWTh CY/ D230  
(5 Week Class - Starts 1/5/2015, Ends 2/6/2015)



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**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.  
7123lab 11:00am - 3:30pm MTWThF CY/ D203  
(5 Week Class - Starts 1/5/2015, Ends 2/6/2015)

## HEALTH

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

**HEALTH 002** 3.00 Units  
**HEALTH AND FITNESS (UC:CSU)**  
This course promotes healthy physical and psychological lifestyles, with emphasis on disease prevention, including violence/abuse, nutrition, sexuality, reproduction, drugs, alcohol, tobacco, aging, stress management, and weight control. The physical fitness segment emphasizes individual improvement utilizing aerobic, flexibility, and strengthening activities.  
2106lec 9:00am - 10:50am MTWTh OH/ F215  
&lab 10:50am - 12:40pm MTWTh CH/K BASE  
(5 Week Class - Starts 1/5/2015, Ends 2/8/2015)

**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.  
2100lec 7:00am - 9:45am MTWTh OH/ F215  
(5 Week Class - Starts 1/5/2015, Ends 2/8/2015)

2102lec 1:00pm - 3:45pm MTWTh OH/ F215  
(5 Week Class - Starts 1/5/2015, Ends 2/8/2015)

## HISTORY

Chair: Dr. 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.  
1003lec 10:00am - 12:30pm MTWTh AH/T E301  
(5 Week Class - Starts 1/5/2015, Ends 2/8/2015)

## KINESIOLOGY

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

**KINESIOLOGY 300-1** 1.00 Unit  
**SWIMMING NON-SWIMMER - 1 (CSU)**  
This course will enhance the skills of the students in floating, kicking and swimming the crawl and backstroke.  
2115lec 10:00am - 10:30am MTWTh POOL  
&lab 10:30am - 12:45pm MTWTh POOL  
(5 Week Class - Starts 1/5/2015, Ends 2/8/2015)

**KINESIOLOGY 300-2** 1.00 Unit  
**SWIMMING NON-SWIMMER - 2 (CSU)**  
This course continues to enhance the skills of the students in floating, kicking and swimming the crawl and backstroke, that were developed in Swimming-I. Additionally, skills in the sidestroke and the elementary backstroke will be taught as well as the ability to safely enter the water with a jump and a long shallow dive.  
2116lec 10:00am - 10:30am MTWTh POOL  
&lab 10:30am - 12:45pm MTWTh POOL  
(5 Week Class - Starts 1/5/2015, Ends 2/8/2015)

**KINESIOLOGY 329-1** 1.00 Unit  
**BODY CONDITIONING -1 (CSU)**  
This class is designed to incorporate forms, concepts and techniques associated with body conditioning. Including Pilates, Core Strengthening, Cardiovascular Exercise and Muscular Strength and Endurance exercises.  
2110lec 7:00am - 7:30am MTWTh CH/K BASE  
&lab 7:30am - 9:45am MTWTh CH/K BASE  
(5 Week Class - Starts 1/5/2015, Ends 2/8/2015)

2112lec 1:00pm - 1:30pm MTWTh CH/K BASE  
&lab 1:30pm - 3:45pm MTWTh CH/K BASE  
(5 Week Class - Starts 1/5/2015, Ends 2/8/2015)

**KINESIOLOGY 329-2** 1.00 Unit  
**BODY CONDITIONING--2 (CSU)**  
Prerequisite: KIN 329-1  
This class is designed to incorporate intermediate forms, concepts and techniques associated with body conditioning. Including Pilates, Core Strengthening, Cardiovascular Exercise and Muscular Strength and Endurance exercises.  
2111lec 7:00am - 7:30am MTWTh CH/K BASE  
&lab 7:30am - 9:45am MTWTh CH/K BASE  
(5 Week Class - Starts 1/5/2015, Ends 2/8/2015)

2113lec 1:00pm - 1:30pm MTWTh CH/K BASE  
&lab 1:30pm - 3:45pm MTWTh CH/K BASE  
(5 Week Class - Starts 1/5/2015, Ends 2/8/2015)

## KINESIOLOGY ATHLETICS

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

**KINESIOLOGY ATHLETICS 552** 1.00 Unit  
**INTERCOLLEGIATE SPORTS-CONDITIONING & SKILLS TRAINING (UC:CSU) (RPT 3)**  
This course is designed for the student athlete. The following areas are emphasized: the analysis and training of athletic skills, the analysis of offensive and defensive systems, physical conditioning, strength training and aerobic conditioning.  
2902lab 3:00pm - 5:05pm MTWThF LG/ G100  
(5 Week Class - Starts 1/5/2015, Ends 2/8/2015)

**KINESIOLOGY ATHLETICS 554** 1.00 Unit  
**INTERCOLLEGIATE TRACK/FIELD-FITNESS & SKILLS TRAINING (UC:CSU) (RPT 3)**  
2901lab 5:45am - 7:50am MTWThF WH/ J212  
(5 Week Class - Starts 1/5/2015, Ends 2/8/2015)

**KINESIOLOGY ATHLETICS 560** 1.00 Unit  
**INTERCOLLEGIATE SWIMMING/DIVING-FITNESS & SKILLS TRAINING (UC:CSU) (RPT 3)**  
2903lab 5:45am - 7:50am MTWTh POOL  
(5 Week Class - Starts 1/5/2015, Ends 2/8/2015)

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**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.  
**2900lab 6:00pm - 8:05pm MTWThF** **LG/ G100**  
(5 Week Class - Starts 1/5/2015, Ends 2/8/2015)

## LABOR STUDIES

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

**LABOR STUDIES 004** 3.00 Units  
**LABOR IN AMERICA (UC:CSU)**  
Examines how labor organizations and labor laws impact workers, families and American society focusing on worksite-related issues such as job security, income, workers' rights, immigration and role of unions.  
**0430lec 9:30am - 12:00pm MTWTh** **AH/T E221**  
(5 Week Class - Starts 1/5/2015, Ends 2/5/2015)

**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.  
**0431lec 1:15pm - 4:00pm MTWTh** **AH/T E221**  
(5 Week Class - Starts 1/5/2015, Ends 2/5/2015)

**LABOR STUDIES 105** 1.00 Unit  
**GRIEVANCE HANDLING SKILLS (CSU)**  
The student will investigate, write and present union grievances.  
**0440lec 8:30am - 5:20 Sat Sun** **AH/T E221**  
(1 Week Class - Starts 1/24/2015, Ends 1/25/2015)

## LEARNING SKILLS

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

**LEARNING SKILLS 010C** 1.00 Unit  
**MATHEMATICS FUNDAMENTALS (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 open-entry/open-exit 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.  
**0352lab 9:00am - 11:50:00AMMTWTh** **109A-1**  
(5 Week Class - Starts 1/5/2015, Ends 2/8/2015)

## MACHINE SHOP - CNC

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

**MACHINE SHOP - CNC 161A** 3.00 Units  
**COMPUTER ASSISTED MACHINE PROGRAMMING (CAM) IA (CSU)**  
**MSCNC 161A (Computer Assisted Machining Programming (CAM) IA)** is a course that will engage students with Machine Shop specific topics: application of Computer Aided Manufacturing (CAM) systems for development of computer numerical control (CNC) programs for complex two and three axis machined parts. Use of 3-D graphics and part verification software systems will also be explored.

**7324lec 9:30am - 12:00pm MTWTh** **OH/F 164C**  
(5 Week Class - Starts 1/5/2015, Ends 2/8/2015)

**MACHINE SHOP - CNC 161B** 3.00 Units  
**COMPUTER ASSISTED MACHINE PROGRAMMING (CAM) IB**  
**MSCNC 161B (Computer Assisted Machine Programming (CAM) IB)** is a course that will engage students with Machine Shop specific topics: advanced topics of computer aided design (CAD), computer aided manufacturing (CAM) and computer numerical control (CNC) and the integration of these three technologies in modern manufacturing.  
**7320lec 7:00am - 9:30am MTWTh** **OH/ F164**  
(5 Week Class - Starts 1/5/2015, Ends 2/8/2015)

## MANAGEMENT

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

**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.  
**0138lec 10:00am - 12:45pm MTWTh** **CH/ K262**  
(5 Week Class - Starts 1/5/2015, Ends 2/8/2015)

## MATHEMATICS

Chair: Tayebah 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.  
**1906lec 7:30am - 10:00am MTWTh** **AH/T E306**  
(5 Week Class - Starts 1/5/2015, Ends 2/8/2015)

**1907lec 10:15am - 12:45pm MTWTh** **AH/T E408**  
(5 Week Class - Starts 1/5/2015, Ends 2/8/2015)

**1908lec 10:15am - 12:45pm MTWTh** **AH/T E413**  
(5 Week Class - Starts 1/5/2015, Ends 2/8/2015)

**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.  
**1920lec 7:30am - 10:00am MTWTh** **AH/T E410**  
(5 Week Class - Starts 1/5/2015, Ends 2/8/2015)

**1921lec 10:15am - 12:45pm MTWTh** **AH/T E308**  
(5 Week Class - Starts 1/5/2015, Ends 2/8/2015)

**1922lec 7:30am - 10:00am MTWTh** **AH/T E308**  
(5 Week Class - Starts 1/5/2015, Ends 2/8/2015)

**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.  
**1932lec 10:15am - 12:45pm MTWTh** **AH/T E406**  
(5 Week Class - Starts 1/5/2015, Ends 2/8/2015)

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**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.  
1957lec 7:30am - 10:00am MTWTh AH/T E413  
(5 Week Class - Starts 1/5/2015, Ends 2/8/2015)

**MATHEMATICS 225** 3.00 Units  
**INTRODUCTORY STATISTICS (UC:CSU)**  
Prerequisite: Mathematics 125.  
The course 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.  
1976lec 7:30am - 10:00am MTWTh AH/T E408  
(5 Week Class - Starts 1/5/2015, Ends 2/8/2015)  
1977lec 10:15am - 12:45pm MTWTh AH/T E410  
(5 Week Class - Starts 1/5/2015, Ends 2/8/2015)

## **NURSING, REGISTERED**

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

**NURSING, REGISTERED 119** 1.00 Unit  
**INTRODUCTION TO NURSING**  
9535lec 9:00am - 10:50pm TTh MH 207  
(5 Week Class - Starts 1/5/2015, Ends 2/8/2015)

## **PERSONAL DEVELOPMENT**

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

**PERSONAL DEVELOPMENT 002** 1.00 Unit  
**INTERPERSONAL RELATIONSHIPS (CSU)**  
This course enhances interpersonal skills for building effective communication for personal and professional growth. It utilizes group dynamics by enhancing self-esteem through self-awareness, acceptance, ability to listen and workplace habits. An honest appraisal of individual strengths and weaknesses is made in an effort to help remove barriers to social and academic growth.  
1102lec 3:00pm - 5:00pm TWTh AH/T E111  
(5 Week Class - Starts 1/5/2015, Ends 2/8/2015)

## **PHYSICS**

**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 solutions of simple problems are covered. This course is not open to students receiving credit for Physics 12.  
1604lec 8:00am - 10:30am MTWTh CH/ K406  
&lab 10:40am - 1:25pm MTWTh CH/ K422  
(5 Week Class - Starts 1/5/2015, Ends 2/6/2015)

**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 solutions of simple problems are covered. This course is not open to students receiving credit for Physics 11.  
1606lec 8:00am - 10:30am MTWTh CH/ K406  
(5 Week Class - Starts 1/5/2015, Ends 2/8/2015)

## **PLUMBING**

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

**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).  
4202lec 6:00pm - 9:35pm MTW SQ/ B337  
(5 Week Class - Starts 1/5/2015, Ends 2/8/2015)

## **PSYCHOLOGY**

Chair: Dr. 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.  
1004lec 10:00am - 12:30pm MTWTh AH/T E213  
(5 Week Class - Starts 1/5/2015, Ends 2/8/2015)

**3600lec 6:00pm - 8:30pm MTWTh** AH/T E213  
(5 Week Class - Starts 1/5/2015, Ends 2/8/2015)

**3610lec 6:00pm - 8:30pm MTWTh** AH/T E213  
(5 Week Class - Starts 1/5/2015, Ends 2/8/2015)

## **SIGN GRAPHICS**

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

**SIGN GRAPHICS 203** 2.00 Units  
**SILK SCREEN PROCESSING 1 (RPT 1)**  
This course will provide an introduction to the screen printing trade. Students will learn to make silk screens and will learn about copy preparation, mesh selection, frames, stencil systems, printing techniques, ink & substrate compatibility, reclamation of screens. Students will print on a variety of surfaces.  
7222lab 7:00am - 11:20am MTWThF SA/ H230  
(5 Week Class - Starts 1/5/2015, Ends 2/6/2015)

# WINTER 2015 Class Schedule

January 5 to February 8



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.

7223lab 7:00am - 11:20am MTWThF SA/ H230

(5 Week Class - Starts 1/5/2015, Ends 2/6/2015)

## SOCIOLOGY

Chair: Dr. 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.

1005lec 10:00am - 12:30pm MTWTh AH/T E323

(5 Week Class - Starts 1/5/2015, Ends 2/8/2015)

## 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.

1501lec 7:30am - 11:55am MTWTh OH/ F229

(5 Week Class - Starts 1/5/2015, Ends 2/8/2015)

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.

1503lec 7:30am - 11:55am MTWTh OH/ F227

(5 Week Class - Starts 1/5/2015, Ends 2/8/2015)

## 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)

8951lec 24:00 hrs/wk TBA MA 109A-1

(5 Week Class - Starts 1/5/2015, Ends 2/8/2015)

## SUPPLY WATER TECHNOLOGY

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

SUPPLY WATER TECHNOLOGY 003 3.00 Units

WATER SYSTEMS CONTROLS

The purpose of this course is to introduce the basics of water supply, sources of water supply, water chemistry, drinking water regulations, water microbiology, water quality control, and some basic arithmetic related to water distribution and water treatment problems.

4110lec 6:00pm - 9:35pm MTW OH/ F223

(5 Week Class - Starts 1/5/2015, Ends 2/8/2015)

## VISUAL COMMUNICATIONS

Chair: Carole Anderson, Cypress Hall, CY/D222, (213) 763-3642

VISUAL COMMUNICATIONS 108 2.00 Units

2-D DESIGN FUNDAMENTALS (CSU)

A course in the principles and elements of 2D design. Principles of unity, variety, emphasis, balance and proportion guide every mark a designer creates. Elements of line, shape, form, value, color, and texture provide for a control that all visual artists seek as they manipulate their work.

7257lec 9:00am - 11:00am TWTh CY/ D303

(5 Week Class - Starts 1/5/2015, Ends 2/6/2015)

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 constitute this beginning level course.

7262lec 12:00pm - 12:30pm MTWTh CY/ D303

&lab 12:30pm - 3:00pm MTWTh CY/ D303

(5 Week Class - Starts 1/5/2015, Ends 2/6/2015)

## WELDING GAS AND ELECTRIC

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

WELDING GAS AND ELECTRIC 201A 1.00 Unit

WELDING-GAS AND ELECTRIC I

Basic manipulative exercises in electric welding using low alloy and mild steel materials in all positions, safety precautions, and fire prevention.

8012lab 7:00am - 10:35am MTW OH/ F156

(5 Week Class - Starts 1/5/2015, Ends 2/8/2015)

**Material available in alternate media format upon request.**



**Register Today!**  
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**Los Angeles Trade-Technical College**  
**400 W. Washington Blvd.**  
**Los Angeles, CA 90015**