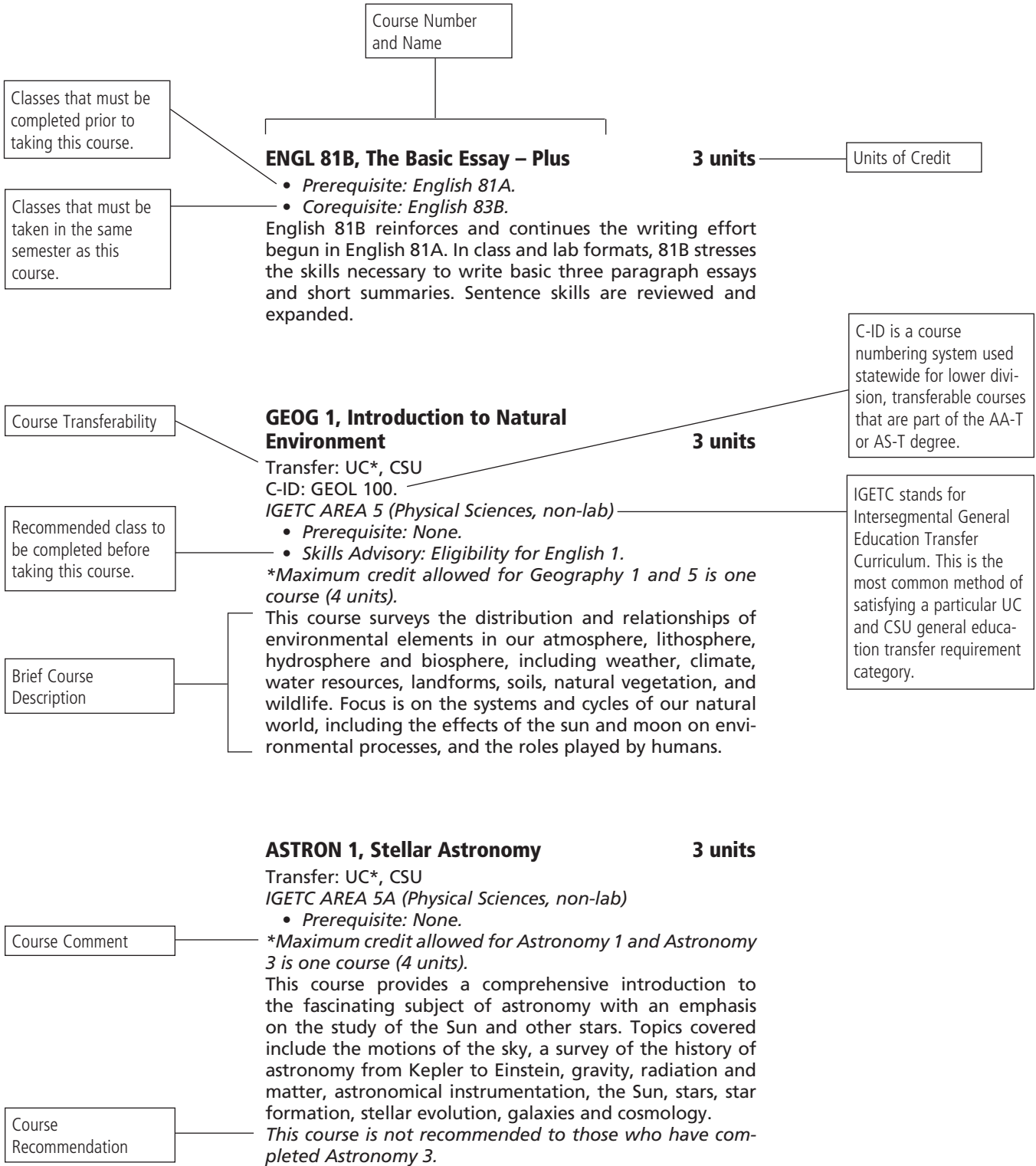


Course Descriptions



How to Read the Course Descriptions



Accounting

Some of the courses listed in this section are accompanied by Supplemental Instruction. Supplemental Instruction (SI) is an academic assistance program that utilizes free peer-assisted weekly study sessions to help students learn the most difficult course content. For more information, please see the SI website at www.smc.edu/si.

ACCTG 1, Introduction to Financial Accounting 5 units

Transfer: UC, CSU

C-ID: Students must take ACCTG 1 and 2 to earn the equivalent of C-ID ACCT 110.

- *Prerequisite:* None.
- *Advisory:* Math 20.

This course introduces the student to the sole proprietorship, partnership, and corporate forms of ownership. This course also familiarizes the student with recording, classifying and interpreting financial data for service and merchandising businesses. It includes a study of the journals, ledgers and financial statements used by these entities. Also covered are computerized accounting systems, internal control, ethics, cash, accounts and notes receivable, merchandise inventory, plant assets and intangible assets, liabilities, and equity accounts. Basic managerial accounting topics are also introduced.

ACCTG 2, Corporate Financial and Managerial Accounting 5 units

Transfer: UC, CSU

C-ID: ACCT 120; Students must take ACCTG 1 and 2 to earn the equivalent of C-ID ACCT 110.

- *Prerequisite:* Accounting 1.

This course continues the study of introductory financial accounting principles begun in Accounting 1 and also covers introductory managerial accounting. The financial accounting portion of the course (2 units) covers the corporate form of business organization, bond financing, installment notes and other long-term liabilities, investments in debt and equity securities, international operations and the Statement of Cash Flows, corporate financial statement preparation and analysis and other GAAP and IFRS considerations. The managerial portion of the course (3 units) covers accounting concepts relevant to internal users rather than third party users of financial statements. Managerial accounting study includes full absorption and variable costing, cost accounting for job order and for mass produced goods (process costing), just-in-time, activity-based and total quality management approaches to costing manufacturing operations. Also studied are segment reporting, performance measurement, cost-volume-profit analysis, flexible budgeting, capital expenditure budgeting, standard costing, responsibility accounting, and decision making processes. Ethical issues surrounding these topics are also addressed.

ACCTG 6, Accounting Consolidations 3 units

Transfer: CSU

- *Prerequisite:* Accounting 4 or 10C.

This course begins with the study of business combinations and covers in depth the preparation of consolidated financial statements. This course also covers accounting for estates and trusts.

ACCTG 6 and 7 may be taken in either order, or concurrently. It is not necessary to take ACCTG 6 prior to taking ACCTG 7.

ACCTG 7, Advanced Accounting: Special Topics 3 units

Transfer: CSU

- *Prerequisite:* Accounting 4 or 10C.

This course covers special accounting topics including accounting for foreign currency transactions, translation of foreign currency financial statements, accounting for partnerships, state and local governments, not-for-profit entities and accounting research.

ACCTG 6 and 7 may be taken in either order, or concurrently. It is not necessary to take ACCTG 6 prior to taking ACCTG 7.

ACCTG 9, Accounting Ethics 3 units

Transfer: CSU

- *Prerequisite:* Accounting 1 or 21.

This course surveys professional ethics for the accounting profession in the context of ethical theory, the history of ethical thought, the nature of accounting, tax and auditing fiduciary responsibilities, the rules of accounting codes of conduct, financial statement representations and fraud, and the theoretical and practical application of ethical principles to business situations. Topics include ethical standards specific to the accounting profession, an examination of the balance between the competing interests of the accountant's roles as management consultant and reporter of financial information to third parties, and the interests of businesses, government and professional regulatory agencies and the public. Reading, writing, analysis and discussion are core elements of the class.

ACCTG 10A, Intermediate Accounting A 3 units

Transfer: CSU

- *Prerequisite:* Accounting 2.

Basic pronouncements of the Financial Accounting Standards Board and their applications to accounting are covered in this course, along with cash, receivables, temporary investments, the time value of money, income and cash flow statements and estimating procedures.

ACCTG 10B, Intermediate Accounting B 3 units

Transfer: CSU

- *Prerequisite:* Accounting 10A.

A continuation of Intermediate Accounting A (ACCTG 10A), this course includes further study of the basic pronouncements of the Financial Accounting Standards Board and their applications to accounting. Covered in detail in this course are inventories, land, buildings, equipment, intangible assets, current and long term liabilities and contingencies and stockholders' equity (paid-in capital and retained earnings).

ACCTG 10C, Intermediate Accounting C 4 units

Transfer: CSU

- *Prerequisite:* Accounting 10B or 3.

A continuation of Intermediate Accounting A and B (ACCTG 10A, 10B), this course includes further study of the pronouncements of the Financial Accounting Standards Board and other primary source GAAP and their applications to accounting for corporations. Covered in detail in

this course are investments, earnings per share, financial statement analysis, revenue recognition, accounting for income taxes, pensions, leases, and full disclosure in financial reporting.

ACCTG 11, Cost Accounting **3 units**

Transfer: CSU

- *Prerequisite: Accounting 2.*

This course focuses on cost accounting theory with emphasis on job order and process cost accounting, accounting methods for material, labor, and factory overhead, and preparation of financial statements from cost data. Topics include cost management concepts, activity cost behavior, job order costing, process costing, budgeting, standard costing, cost/volume/profit analysis, and tactical decision-making.

ACCTG 12, Auditing **3 units**

Transfer: CSU

- *Prerequisite: Accounting 2.*

This course covers the role and responsibility of certified public accountants in the audit of financial statements. Emphasis will be placed on verification of balance sheets and internal control of accounting systems and accounting cycles. Topics include AICPA and PCAOB auditing standards, professional ethics, legal liability, internal control, audit sampling and audit reports.

ACCTG 15, Individual Income Taxes **3 units**

Transfer: CSU

- *Prerequisite: Accounting 2.*

Internal Revenue Service tax laws and regulations and accounting procedures are studied in this course to enable the tax professional to apply the information to completing federal individual income taxes.

ACCTG 16 Taxation of Corporations, Partnerships, Estates and Trusts **3 units**

Transfer: CSU

- *Prerequisite: Accounting 15.*

This course covers tax laws and the reporting requirements of the Internal Revenue Service as applied to corporations, partnerships, estates and trusts.

ACCTG 21, Business Bookkeeping **3 units**

- *Prerequisite: None.*

This course surveys basic bookkeeping principles and practices and the use of records to help bookkeepers and business owners/managers better understand common business terms, transactions, and record keeping in small businesses. This course provides the student with the basic accounting concepts and procedures required for all businesses. Through lecture and problem solving, the student will learn to do a full set of books pertaining to a small business enterprise. Topics covered include analyzing and classifying business transactions, financial statements, worksheets and adjusting entries, bank reconciliations, payroll, specialized journals, and tax aspects of small businesses.

ACCTG 31A, Excel for Accounting **3 units**

Transfer: CSU

- *Prerequisite: Accounting 1 or 21.*

This course entails the detailed application of accounting principles using Excel. Topics include creating professional worksheets, the use of formulas and functions, charts,

database, basic macros, and other Excel features with emphasis on accounting as a financial analysis tool.

This course uses Microsoft Excel 2013 professional.

ACCTG 31B, Advanced Excel for Accounting **3 units**

Transfer: CSU

- *Prerequisite: Accounting 2 and 31A.*

This course includes the advanced application of Excel for accounting features. Topics include the use of complex Excel functions and formulas, advanced Charts, advanced database features, Consolidation, Data Validation, PivotTables and PivotCharts, an introduction to Visual Basic, and other advanced Excel features with emphasis on accounting as a financial analysis tool.

This course uses Excel 2013.

ACCTG 33, Access for Accounting **3 units**

Transfer: CSU

- *Prerequisite: CIS 4, and Accounting 1 or 21.*

This course introduces the Microsoft Access database management system to build the accounting system elements for each of the four main transaction cycles: revenue, purchase, payroll, and production. Topics include creating and maintaining tables; designing, maintaining and querying a database; creating forms and reports; and using VBA procedures on a database.

It is recommended that students have a working knowledge of Windows operating system.

ACCTG 45, Individual Financial Planning **3 units**

Transfer: CSU

- *Prerequisite: None.*

This course provides students with the tools to achieve their personal financial goals. It will help them make informed decisions related to spending, saving, borrowing, and investing. Topics covered include personal financial planning; money management; tax strategy and the decision processes and behaviors underlying consumer credit; purchasing decisions; insurance; investing in stocks, bonds, mutual funds, and real estate; retirement; and estate planning.

Accounting 45 is the same class as Business 45. Students may earn credit for one, but not for both.

ACCTG 88A, Independent Studies in Accounting **1 unit**

Transfer: CSU

Please see "Independent Studies" section.

ACCTG 88B, Independent Studies in Accounting **2 units**

Transfer: CSU

Please see "Independent Studies" section.

ACCTG 88C, Independent Studies in Accounting **3 units**

Transfer: CSU

Please see "Independent Studies."

ACCTG 90A, Accounting Internship **1 unit**

Transfer: CSU

- *Prerequisite: None.*

Students must arrange an approved internship prior to enrolling in this class. F-1 students must see the Immigration

Coordinator at the International Education Center before enrolling.

The Internship Program is designed to provide the student with "real life" experience in an accounting environment. Students will work with a local company to apply accounting principles.

ACCTG 90B, Accounting Internship **2 units**

Transfer: CSU

- *Prerequisite: None.*

Students must arrange an approved internship prior to enrolling in this class. F-1 students must see the Immigration Coordinator at the International Education Center before enrolling.

The Internship Program is designed to provide the student with "real life" experience in an accounting environment. Students will work with a local company to apply accounting principles.

American Sign Language - Credit

Additional hours to be arranged in the Modern Language Lab for American Sign Language. For non-credit American Sign Language courses, please see "Counseling-Adult Education."

ASL 1, American Sign Language 1 **5 units**

Transfer: UC, CSU

IGETC Foreign Language (required for UC only)

- *Prerequisite: None.*

This is an introductory course of American Sign Language (ASL) with an emphasis on signing, receptive skills, signing parameters, the glossing system and numbers. This course provides a historical introduction, cultural awareness and cross-cultural adjustment skills. Non-verbal communication is emphasized. Homework assignments will include, but are not limited to, attendance and involvement at community events. Language Lab is required.

ASL 2, American Sign Language 2 **5 units**

Transfer: UC, CSU

IGETC AREA 3B (Arts and Humanities), Foreign Language (required for UC only)

- *Prerequisite: American Sign Language 1 or equivalent skills.*

This course is a continuation of American Sign Language 1. Instruction will include further studies of the elementary skills for the fundamentals of American Sign Language: grammar, receptive, and expressive. There will also be extensive instruction on the Deaf Culture and Community, which will be presented in readings, videos and discussion in American Sign Language. Non-verbal communication is emphasized. Language lab is required.

Anatomy

Please see listing under "Biological Sciences."

Anthropology

Some of the courses listed in this section are accompanied by Supplemental Instruction. Supplemental Instruction (SI) is an academic assistance program that utilizes free peer-assisted weekly study sessions to help students learn the most difficult course content. For more information, please see the SI website at www.smc.edu/si.

ANTHRO 1, Physical Anthropology **3 units**

Transfer: UC*, CSU

IGETC AREA 5B (Biological Sciences, non-lab)

- *Prerequisite: None.*
- *Skills Advisory: Eligibility for English 1.*

**Maximum credit allowed for Anthropology 1 and Anthropology 5 is one course (4 units).*

A survey of human biology, this course focuses on human origins and evolution by investigating the major aspects of physical anthropology including Mendelian and human genetics, primate and hominid evolutionary processes, contemporary human variability and facets of primate ethology and human behavior that make our species unique in the animal kingdom.

ANTHRO 2, Cultural Anthropology **3 units**

Transfer: UC, CSU

IGETC AREA 4A (Social and Behavioral Sciences)

- *Prerequisite: None.*
- *Skills Advisory: Eligibility for English 1.*

This course satisfies the Santa Monica College Global Citizenship requirement.

Cultural Anthropology is the study of human society and culture, analyzing both similarities and differences amongst cultural groups. This course will introduce students to important socio-cultural concepts used by cultural anthropologists including material culture, social organization, religion, kinship, ritual and symbolic systems, race, ethnicity, and language amongst others. Students will examine how cultural anthropologists understand the notion of culture in the study of human behavior in different regions of the world. The ethnographic method as a key methodology will be stressed throughout this course.

ANTHRO 3, World Archaeology **3 units**

Transfer: UC*, CSU

IGETC AREA 4A (Social and Behavioral Sciences)

- *Prerequisite: None.*
- *Skills Advisory: Eligibility for English 1.*

**Maximum UC credit allowed for Anthropology 3 and Anthropology 4 is one course (3 units).*

This course is an introduction to the archaeological record documenting the evolution of human culture from the earliest stone tool makers to the primary civilizations of the Old and New Worlds. Topics include hunter-gatherer adaptations, the invention and spread of agriculture, and the development of civilizations. Archaeological techniques and methods are introduced as the means for understanding these developments.

ANTHRO 4, Methods of Archaeology **3 units**

Transfer: UC*, CSU

IGETC AREA 4 (Social and Behavioral Sciences)

- *Prerequisite: None.*

**Maximum UC credit allowed for Anthropology 3 and Anthropology 4 is one course (3 units).*

This is an introductory lecture class on the field and laboratory methods used by archaeologists to understand our past. Topics include the scientific method, archaeological research design, archaeological reconnaissance, excavation, relative and absolute dating techniques, analyses of archaeological remains, and Cultural Resource Management.

ANTHRO 5, Physical Anthropology with Lab 4 units

Transfer: UC*, CSU

IGETC AREA 5B (Biological Sciences, + LAB)

- *Prerequisite: None.*
- *Skills Advisory: Eligibility for English 1.*

**Maximum credit allowed for Anthropology 1 and Anthropology 5 is one course (4 units).*

A survey of human biology, this course focuses on human origins and evolution by investigating the major aspects of physical anthropology including Mendelian and human genetics, population genetics, primate and hominid evolutionary processes, contemporary human variability, and facets of primate ethology and human behavior that make our species unique in the animal kingdom. This course consists of three hours of lecture and three hours of laboratory work weekly. The laboratory projects will parallel the lecture topics hence the lab projects will pertain to genetics, human variation, primate anatomy, human osteology, and analysis of hominid (human) and primate fossils.

ANTHRO 7, Introduction to Linguistic Anthropology

3 units

Transfer: UC, CSU

IGETC AREA 4A (Social and Behavioral Sciences)

- *Prerequisite: None.*
- *Skills Advisory: Eligibility for English 1.*

This course introduces the student to the place of language in society and how it varies in different cultures. The course explores how language changes in different segments of society, the relationship between dialects and social hierarchy, and language variations between genders. Students will learn to analyze linguistic expressions such as oral story-telling, poetry, and narratives from a cross-cultural perspective. Also students will discuss the role of language in issues related to nationalism.

ANTHRO 9, Paleoanthropology

3 units

Transfer: UC, CSU

IGETC AREA 5B (Biological Science)

- *Skills Advisory: Eligibility for English 1.*

This course focuses on the evolutionary history of our species, *Homo sapiens*, through an examination of the paleontological record of primate and human origins. It examines the latest ideas on comparative primate and human paleobiology and places these developments within the conceptual framework of modern evolutionary theory.

ANTHRO 10, Forensic Anthropology

3 units

Transfer: UC, CSU

- *Prerequisite: None.*
- *Skills Advisory: Eligibility for English 1.*

This course presents an overview of forensic anthropology, an applied field of physical anthropology. The course emphasis is on the current techniques used in the analysis of human skeletal remains, medico-legal procedures, and

the role of the forensic anthropologist in the investigative process. Examines the basics of bone biology, methods of skeletal analysis, recognition of pathology and trauma, and the techniques used in crime scene investigation and individual identification.

ANTHRO 14, Sex, Gender and Culture 3 units

Transfer: UC, CSU

IGETC AREA 4A (Social and Behavioral Sciences)

- *Prerequisite: None.*
- *Skills Advisory: Eligibility for English 1.*

This course satisfies the Santa Monica College Global Citizenship requirement.

This course presents a cross-cultural survey of the position of men and women within an anthropological framework. It assesses, in a comparative fashion, the biological basis of sexual differentiation and the cultural interpretation of these differences through "gender roles." Comparative materials from tribal, non-western, non-industrial, and western cultures will be used to illustrate the variety of gender roles and expectations. The course focuses on cultural institutions as fundamental in creating, defining, and reinforcing gender roles. Economics, politics, the arts, ethnicity, race, religion, kinship, world view, language, and other issues which influence choices, opportunities and limitations tied to gender will be examined.

ANTHRO 19, The Culture of Food

3 units

Transfer: UC, CSU

IGETC AREA 4A (Social and Behavioral Sciences)

- *Prerequisite: None.*

This course satisfies the Santa Monica College Global Citizenship requirement.

Food nourishes not only our bodies, but also our souls, and plays a critical role in the identity formation of individuals and groups of people in society. This course explores how different cultural systems throughout the world shape the production, distribution and consumption of food. This course utilizes a cross-cultural focus to investigate the social, cultural, and ecological aspects of food, food products, and food resources in a global, historical, and comparative perspective.

ANTHRO 20, Traditional Peoples and Cultures of Africa

3 units

Transfer: UC, CSU

IGETC AREA 4A (Social and Behavioral Sciences)

- *Prerequisite: None.*
- *Skills Advisory: Eligibility for English 1.*

This course is a survey of general traditional African subsistence modes, illustrated by specific examples of cultures practicing a particular mode of life. Traditional kinship, political development, economic systems, religions and the arts are studied in the context of culture areas and subsistence modes. The focus of the course is on societies before colonial penetration, but discussions of more recent issues are included when germane. The study of indigenous peoples is placed in the context of broader human socio-cultural behavior and its products, including material culture, social organization, religion, language, and other symbolic systems and discussion of the dynamics of culture, are included in this study.

ANTHRO 21, Peoples and Power in Latin America**3 units**

Transfer: UC, CSU

IGETC AREA 4A (Social and Behavioral Sciences)

- *Prerequisite: None.*

This course satisfies the Santa Monica College Global Citizenship requirement.

This course will introduce students to the historical and cultural use of power by peoples and cultures in Latin America. We will investigate the use of power of Latin American peoples and cultures who lived prior to contact with Europeans, in colonial and post-colonial culture in Latin America, as well as in contemporary Latin American society. The investigation of the power of the US/Mexican border and of globalization within Latin America will also be covered in this course. A cross-cultural perspective will be employed drawing from examples in Mexico and Central America, the Caribbean, South America, and from the influence of countries outside of Latin America including the United States, England, France, Portugal, Spain, China, and Japan. Power relations included in the notions of race, class, gender and sexuality, immigration and migration, and indigenism (amongst others), as they are practiced in Latin America, are explored throughout the semester.

ANTHRO 22, Magic, Religion, and Witchcraft**3 units**

Transfer: UC, CSU

IGETC AREA 4A (Social and Behavioral Sciences)

- *Prerequisite: None.*

The purpose of this course is to explore in a cross-cultural context the nature of religion and the relationships of individuals and societies to supernatural forces and persons. The course will examine general patterns of religious behavior throughout the world, delineate different theories of religion and see how they apply in various cultures. By the end of the course, the student should be able to identify several definitions and theories of religion and to discuss their merits with regard to specific cases.

ANTHRO 35S, Archaeological Field Techniques**3 units**

Transfer: CSU

- *Prerequisite: None.*

This course introduces students to the basic techniques involved in archaeological fieldwork. Students will learn various methods of excavation and how they are tied to a research design. Lectures will supplement hands-on excavation by providing pertinent historical and theoretical background to the ongoing scientific research.

ERTHSC 88A, Independent Studies in Earth Science**1 unit**

Transfer: CSU

Please see "Independent Studies" section.

ERTHSC 88B, Independent Studies in Earth Science**2 units**

Transfer: CSU

Please see "Independent Studies" section.

Arabic

Additional hours to be arranged in the Modern Language Lab for Arabic 1.

ARABIC 1, Elementary Arabic 1**5 units**

Transfer: UC, CSU

IGETC AREA 6A Foreign Language

- *Prerequisite: None.*

This course introduces basic vocabulary and the fundamentals of Modern Standard Arabic grammar, structure, pronunciation as well as reading, writing, and speaking. Using natural and audio-lingual approaches, the course prepares students to understand spoken Arabic, to hold simple conversations, read, and write short descriptive compositions in Arabic. Aspects of contemporary Arabic culture and Arabic history are covered as well. Language lab is required.

Art

For all Photo classes see Photography. For classes in Interior Architectural Design, see Interior Architectural Design.

ART 10A, Design I**3 units**

Transfer: UC, CSU

- *Prerequisite: None.*

This is an introductory course in the theory and application of the elements of 2-D design. Assignments will focus on the following design principles: line, value, form, scale, light, logic, space, depth, texture, pattern, composition and color theory. This course is required for all art majors.

ART 10B, Design II**3 units**

Transfer: UC, CSU

- *Advisory: Art 10A.*

This course is a continuation of the study of the fundamentals of design with special emphasis on thought and design concepts with portfolio oriented projects and an introduction to 3-D design. Required for art majors.

ART 10C, Computer Design**3 units**

Transfer: UC, CSU

- *Advisory: Art 10A.*

This course is a continuation of the theory and application of the principles and elements of fine art and design on the computer. Introducing the basics of computer operation for digital imaging applications, scanner technologies, and learning how to apply visual design concepts with digital media. This course serves as preparation for further study in the computer arts by providing an overview of theoretical issues related to the use of computers in fine art disciplines. Studio projects focus on integrating visual design principles with digital imaging technology and personal expression.

ART 13, 3D Design**3 units**

Transfer: UC, CSU

C-ID: ARTS 101.

- *Advisory: Art 10A.*

This course explores the basic problems in 3D design using plastic, metal, wood and other materials. (Recommended for design, gallery installation, ceramic and sculpture majors.)

ART 15, Lettering**3 units**

Transfer: CSU

- *Advisory: Art 10A.*

This course covers calligraphy, including hand-written letter forms and type faces, styles, proportion, lay-out and spacing as applied in personal correspondence, advertising, layout and brochures.

ART 17A, 3D Jewelry Design I**3 units**

Transfer: CSU

- *Advisory: Art 10A and 20A.*

This course explores jewelry design and silversmithing as an art form and includes both fabricating and lost-wax casting techniques.

ART 17B, 3D Jewelry Design II**3 units**

Transfer: CSU

- *Advisory: Art 17A.*

This course is a continuation of jewelry fabrication and casting, emphasizing the expressive use of non-ferrous metal construction techniques including chain making, surface embellishments, alternative casting, and hollow container construction.

ART 20A, Drawing I**3 units**

Transfer: UC, CSU

C-ID: ARTS 110.

- *Prerequisite: None.*

This fundamental course is focused on representational drawing and composition using various black and white media. Introduction to principles, elements, and practices of drawing, employing a wide range of subject matter and drawing media. Focus on perceptually based drawing, observational skills, technical abilities, and creative responses to materials and subject matter. See counselor regarding transfer credit limitations.

ART 20B, Drawing II**3 units**

Transfer: UC, CSU

- *Advisory: Art 20A.*

This course is a continuation of Art 20A with emphasis on color, the compositional aspects of drawing, advanced integration of basic drawing principles, and the development of individual expression. Exploration of artistic concepts, styles, and creative expression related to intermediate-level drawing, focusing on complex subject matter and concepts using a variety of drawing mediums, techniques, and methodologies. Students in this course will build on fundamental drawing skills to develop personalized approaches to content and materials in exercises covering multiple historical and contemporary approaches to drawing.

ART 20C, Digital Drawing**3 units**

Transfer: UC, CSU

- *Advisory: Art 10C.*

This course is designed for students who are interested in broadening their range of drawing options by integrating traditional fine art drawing skills with digital technologies. Focus will be on exploration of the principles of drawing in their simplest form: marks, lines, shapes, light, perspective, proportion and spatial relationships. Using a combination of vector based and digital imaging software applications combined with traditional hands-on techniques, students will create drawing projects on the computer, as well as

maintain a notebook of hands-on sketches. This course is a continuation of the compositional theories and skills developed in fundamental drawing classes, with an emphasis on preparing students to build upon their digital skills and fine art concepts and to develop personal directions in drawing.

ART 21A, Drawing III**3 units**

Transfer: UC, CSU

C-ID: ARTS 200.

- *Advisory: Art 20B.*

This is a drawing course with major emphasis on drawing from a live model in a variety of both black and white and color media. This course emphasizes anatomical and skeletal structures.

ART 21B, Drawing IV**3 units**

Transfer: UC, CSU

- *Advisory: Art 21A.*

This course is a continuation of Art 21A including composition and interpretation of drawing the figure in various media.

ART 30A, Beginning Watercolor Painting I**3 units**

Transfer: UC, CSU

- *Advisory: Art 10A or 20A.*

This is an introductory course to water media painting with emphasis on watercolor technique, composition, and formal theory. A spectrum of wash, glaze, and gouache techniques are explored using principles of color theory, composition, and space building concepts.

ART 30B, Watercolor Painting II**3 units**

Transfer: UC, CSU

- *Advisory: Art 10A or 20A or 30A.*

An advanced course in watercolor media, subjects may include the figure, landscape, and location painting.

ART 30C, Acrylic Painting Techniques**3 units**

Transfer: UC, CSU

- *Advisory: Art 10A and 20A.*

This course will focus on the basics of drawing and painting with Acrylics and Mixed Media. Acrylics are a fast drying medium that is ideally suited for the beginning art student interested in Commercial Arts as well as Fine Arts. Students will develop skills in conceptual and observational painting through still life and assignments geared toward illustration. Assignments are based on typical areas of concentration found in the field, including conceptual, decorative, surreal, editorial, design, narrative, portrait, realistic and on the practical aspect of a career in illustration.

ART 31, Beginning Oil Painting**3 units**

Transfer: UC, CSU

- *Advisory: Art 10A and 20A.*

This an introductory course in oil painting. This course will emphasize building a foundation for executing and understanding paintings with coursework focusing on the use and application of painting materials, composition, and theory.

ART 32, Intermediate Painting**3 units**

Transfer: UC, CSU

- *Advisory: Art 10A and 20A.*

This course is an intermediate course in painting with a variety of types of subject matter. This course will emphasize the further use of oil paint or acrylic.

ART 33, Advanced Painting **3 units**

Transfer: UC, CSU

- *Advisory: Art 32 and 21A.*

This course will focus on painting from the live model. The ability to use the figure as a carrier of concepts and emotional content will be addressed, as well as light and its application to the human form. This course will continue to develop the understanding of the use and application of painting materials, composition, and theory.

ART 34A, Contemporary Art Theory and Practice **3 units**

Transfer: UC, CSU

- *Prerequisite: None.*

This is an introductory studio course for beginners and those who would like to discover their own style, materials, and methods for making authentic artworks. Use of traditional and non-traditional contemporary art practices and media will be presented to encourage students to find their own visual language and approach. The nature and methods of various contemporary art movements and genres will be examined.

ART 34B, Contemporary Art Theory and Practice **3 units**

Transfer: UC, CSU

- *Prerequisite: Art 34A.*

This course is structured to further encourage each student in the development of a personal visual language for the creation of content-oriented art works leading to a portfolio for transfer purposes. Both traditional and non-traditional art genres will be explored including installation, video, and performance. Emphasis will be placed on combining formal studio skills with an idea or concept to produce crafted and unified artworks.

ART 35, Airbrush Techniques **3 units**

Transfer: CSU

- *Advisory: Art 10A or 20A.*

This course introduces the use of the airbrush in fine art, design and illustration, including exercises in freehand air painting, masks, and stencils.

ART 40A, Sculpture I **3 units**

Transfer: UC, CSU

- *Advisory: Art 10A or 20A.*

Formal and spatial problems in sculpture are covered in this course which emphasizes modeling with clay and stone carving.

ART 40B, Sculpture II **3 units**

Transfer: UC, CSU

- *Advisory: Art 40A.*

This is a continuation of Art 40A with further exploration of sculptural materials and techniques. Emphasis is on individual growth and direction.

ART 40C, Sculpture III **3 units**

Transfer: UC, CSU

- *Advisory: Art 40B.*

This course offers the advanced sculpture student the opportunity to further explore stone carving using pneumatic tools. Emphasis is on individual interpretation.

ART 41A, Figure Modeling Sculpture I **3 units**

Transfer: UC, CSU

- *Advisory: Art 21A or 40A.*

Sculpting the human figure in clay is studied. Emphasis is on relief and full figure over an armature, using live models.

ART 41B, Figure Modeling Sculpture II **3 units**

Transfer: UC, CSU

- *Advisory: Art 41A.*

This continuation of Art 41A utilizes problems in figure composition, individual interpretation of the figure, and exploration of various media.

ART 43A, Glass Sculpture I **3 units**

Transfer: UC, CSU

- *Advisory: Art 10A or 20A.*

This course explores form and function utilizing free blown and poured glass, glass construction and glass in combination with other materials, emphasizing design, construction techniques, and proficiency in the art of off-hand glassblowing.

ART 43B, Glass Sculpture II **3 units**

Transfer: UC, CSU

- *Advisory: Art 43A.*

This course further explores form based on techniques acquired in Art 43A. Advanced techniques such as slumping, fusing, molds, surface decoration, and coloring are covered.

ART 52A, Ceramics I **3 units**

Transfer: UC, CSU

- *Advisory: Art 10A.*

This is a ceramic design and construction course using basic hand building methods and wheel throwing. Emphasis is on surface decoration and glazing.

ART 52B, Ceramics II **3 units**

Transfer: UC, CSU

- *Advisory: Art 52A.*

This course is a continuation of Art 52A. Emphasis is on wheel throwing, glaze chemistry, stacking, and firing.

ART 52C, Ceramics III **3 units**

Transfer: UC, CSU

- *Advisory: Art 52B.*

This course emphasizes advanced concepts in wheel throwing and creating sculptural forms in a variety of methods. Students will gain increased knowledge of glaze and firing technology.

ART 60, Introduction to Printmaking **3 units**

Transfer: UC, CSU

- *Advisory: Art 20A.*

This is an introductory course in printmaking media and techniques including lino-cut, multi-block woodcut, and etching processes.

ART 60B, Introduction to Digital Printing 3 units

Transfer: UC, CSU

- *Advisory: Art 20A.*

An introduction to experimental digital print technologies through understanding the digital imaging process from color management to visual concept to final ink-on-paper. Advances the idea of innovative materials and techniques that explore combining both digital and traditional hands-on methods emphasizing individual creative problems. Class projects will be completed on Epson printers (1280, 2200, &4000), including both dye-based and pigment-based inks with a variety of coated ink jet papers and uncoated fine art papers. Students working in all media are welcome to explore a collaborative and interdisciplinary approach to working in a digital image-making environment. A special emphasis on fine art portfolio development for transfer as well as documentation of art works related to contemporary art practice will be encouraged. Projects, discussions and critiques will focus on issues of intention, process, experimentation, and producing quality digital fine art prints.

ART 61A, Etching 3 units

Transfer: UC, CSU

- *Advisory: Art 20A and 60.*

This course is an intensive study of etching techniques, using multicolor and black and white processes. Traditional methods of metal etching are also combined with computer generated images and non-toxic photographic techniques.

ART 61B, Advanced Etching 3 units

Transfer: UC, CSU

- *Advisory: Art 61A.*

This is an advanced course in creating multiple images in black and white and color. Traditional metal etching processes are combined with computer generated images, image transfers, and non-toxic photographic techniques. Emphasis is on multiple plate color images and book making.

ART 62, Serigraphy (Silkscreen) 3 units

Transfer: UC, CSU

- *Advisory: Art 10A and 20A.*

This is an introductory studio course in screen printing techniques, including hand cut and painted stencil application as well as an introduction to photo stencil techniques.

ART 63, Lithography 3 units

Transfer: UC, CSU

- *Advisory: Art 10A, 20A and 60.*

This course is a study of lithographic processes, past and current techniques, as well as black and white and multi-color processes.

ART 90A, Internship 1 unit

Transfer: CSU

- *Prerequisite: None.*

The internship is designed to provide the student with on-site, practical experience in the field of Art. Students will gain work experience at an approved, supervised site.

ART 90B, Internship 2 unit

Transfer: CSU

- *Prerequisite: None.*

The internship is designed to provide the student with on-site, practical experience in the field of Art. Students will gain work experience at an approved, supervised site.

Art History

AHIS 1, Western Art History I 3 units

Transfer: UC, CSU

C-ID: ARTH 110.

IGETC AREA 3A (Arts)

- *Prerequisite: None.*

Formerly Art 1.

A survey of the chronological development of Western art from the Stone Age to the Gothic Period with emphasis on the cultural, political, and social factors that influenced this evolution. This includes: Near-Eastern, Egyptian, Greek, Roman, Byzantine, Romanesque and Gothic art and architecture.

AHIS 2, Western Art History II 3 units

Transfer: UC, CSU

C-ID: ARTH 120.

IGETC AREA 3A (Arts)

- *Prerequisite: None.*

Formerly Art 2.

This course is a survey of the chronological development of Western art from the Renaissance to the mid 19th Century with emphasis on the cultural, political, and social factors that influenced this evolution. This includes: Renaissance, Baroque, Rococo, Neoclassicism, Romanticism and Realism painting, sculpture and architecture.

AHIS 3, Western Art History III 3 units

Transfer: UC, CSU

IGETC AREA 3A (Arts)

- *Prerequisite: None.*
- *Skills Advisory: Eligibility for English 1.*

Formerly Art 8.

A focused survey of the chronological development of art and architecture from Impressionism to the present day. This course will cover the major movements of modern and contemporary art while examining their historical, cultural and philosophical context. Specific attention will be given to art theory and its part in shaping conversations about art history and the contemporary.

AHIS 5, Latin American Art History 1 3 units

Transfer: UC, CSU

IGETC AREA 3A (Art)

- *Prerequisite: None.*
- *Skills Advisory: Eligibility for English 1.*

This course surveys the art, architecture, and visual culture of Latin America from pre-history up until European contact. Art objects and monuments from select ancient civilizations of Mexico, Central America, and South America will be placed within their historical, cultural, social, and political contexts.

AHIS 6, Latin American Art History 2 3 units

Transfer: UC, CSU
 IGETC AREA 3A (Art)

- *Prerequisite:* None.
- *Skills Advisory:* Eligibility for English 1.

This course satisfies the Santa Monica College Global Citizenship requirement.

This course is an introductory survey of the art, architecture, and visual culture of Latin America from the colonial to the contemporary period. The course examines the introduction and adaptation of European artistic models in the Americas as well as the transformation of American art as a result of the conquest, analyzing a variety of materials and media including urban planning, religious and secular architecture, painting, sculpture, manuscript drawings and prints from the colonial period (1492-1820). Students study materials from the 19th century-- examining the role of the arts in building independent nations--and from the 20th and 21st centuries, focusing on modern and contemporary art.

AHIS 11, Art Appreciation: Introduction to Global Visual Culture 3 units

Transfer: UC, CSU
 IGETC AREA 3A (Arts and Humanities)

- *Prerequisite:* None.

This course satisfies the Santa Monica College Global Citizenship requirement. Formerly Art 79.

An introduction to artistic practices by exploring the myriad manifestations of visual culture in our world through a cross-cultural thematic approach. This course examines themes in art like Religion, Power, Reproduction and Sexuality, and traces them across cultures and time periods. Emphasis will be placed on learning the language of visual culture both in terms of the formal elements of design as well as the content of style and subject matter and finding connections and differences. Students will explore the various media of art from drawing, sculpture, fresco, oil, photography, motion pictures, architecture to contemporary advertising and design and investigate how various cultures have used specific media and themes. This course is designed to introduce Fine Art and Art History simultaneously providing a unique opportunity to explore these fields as well as to prepare students for a course of study in Fine Art and Art History.

AHIS 15, Mexican Art History 3 units

Transfer: UC, CSU
 IGETC AREA 3A (Arts)

- *Prerequisite:* None.

Formerly Art 9.

This course covers the historical development of Mexican art from its pre-Columbian past to the present with a review of painting, sculpture, architecture, and their social, political, religious, and economic relevance.

AHIS 17, Arts of Asia – Prehistory to 1900 3 units

Transfer: UC, CSU
 C-ID: ARTH 130.
 IGETC AREA 3A (Arts)

- *Prerequisite:* None.

Formerly Art 5.

This course is a survey of the chronological development of Asian art from earliest times to modern times with empha-

sis on the cultural, political, and social factors which influenced this evolution. The course includes the art of India, China, Japan, Korea, Thailand, Cambodia, and Indonesia.

AHIS 18, Introduction to African Art History 3 units

Transfer: UC, CSU
 IGETC AREA 3A (Arts)

- *Prerequisite:* None.

History and appreciation of the arts of Africa and The African Diaspora. Examines the continent of Africa within historical, cultural, religious, socio-political, and aesthetic contexts, the impact of African art in Europe and the Americas, and contemporary African art.

AHIS 21, Architectural History: Ancient to 1850 3 units

Transfer: UC, CSU
 IGETC AREA 3A (Arts)

- *Prerequisite:* None.

Formerly Art 6.

A survey of the chronological development of Western architecture from prehistory to the Romanticism of the late 18th and early 19th Centuries. It includes art history and architecture with a worldwide introduction to the history of architecture. The contributions of technology, organizing methodology, intellectual thought, social conditions, and general artistic sensibilities will be addressed. Additionally, historic examples are related to specific, current architectural work.

AHIS 22, Architectural History and Theory – 1850 to Present 3 units

Transfer: UC, CSU
 IGETC AREA 3A (Arts)

- *Prerequisite:* None.

Formerly Art 7.

Through the use of lectures, slides, and field trips, architecture will be studied from the mid-19th Century social and industrial conditions to current sensibilities represented by various creative individuals, movements and buildings. Cross references will be made to ideas of other arts, socio-political theory, and society in general.

AHIS 52, History of Photography 3 units

Transfer: UC, CSU
 IGETC AREA 3A (Arts and Humanities)

- *Prerequisite:* None.

Formerly Art 73.

This is a historical survey of the evolving nature of photography from the early 1800's to the present digital age. *AHIS 52 is the same course as Photography 52. Students may receive credit for one, but not both.*

AHIS 71, African American Art History 3 units

Transfer: UC, CSU
 IGETC: 3A (Arts)

- *Prerequisite:* None.

Formerly Art 71.

This course is a survey of the chronological development of African American art and iconography from the advent of slavery in the United States to the present. It includes Craftsmanship, Painting, Sculpture, Vernacular, and Contemporary Architecture.

AHIS 72, American Art History**3 units**

Transfer: UC, CSU

IGETC AREA 3A (Art)

- Prerequisite: None.

This course satisfies the Santa Monica College Global Citizenship requirement. Formerly Art 72.

A survey of the chronological development of painting, sculpture, and architecture in the United States from its pre-colonial past to the end of World War II. The contributions and influences of a variety of ethnic groups to the diversity of art in the United States will be addressed. The artistic contribution of Native American, African Americans, Asian Americans, Chicano/Latino Americans and European Americans will be studied in the larger context of American society, history, and culture.

Astronomy

ASTRON 1, Stellar Astronomy**3 units**

Transfer: UC*, CSU

IGETC AREA 5A (Physical Sciences, non-lab)

- Prerequisite: None.

*Maximum credit allowed for Astronomy 1 and Astronomy 3 is one course (4 units).

This course provides a comprehensive introduction to the fascinating subject of astronomy with an emphasis on the study of the Sun and other stars. Topics covered include the motions of the sky, a survey of the history of astronomy from Kepler to Einstein, gravity, radiation and matter, astronomical instrumentation, the Sun, stars, star formation, stellar evolution, galaxies and cosmology.

This course is not recommended to those who have completed Astronomy 3.

ASTRON 2, Planetary Astronomy**3 units**

Transfer: UC*, CSU

IGETC AREA 5A (Physical Sciences, non-lab)

- Prerequisite: None.

*Maximum credit allowed for Astronomy 2 and Astronomy 4 is one course (4 units).

This course provides a comprehensive introduction to the fascinating subject of astronomy with an emphasis on the study of the Earth and the other planets in the solar system. Topics covered include the motions of the sky, a survey of the history of astronomy from the Greeks to Einstein, phases of the moon, eclipses, gravity, the formation of the solar system, the Earth, Terrestrial and Jovian planets, their moons, asteroids, meteoroids, comets and a discussion of extrasolar planets around other stars.

This course is not recommended to those who have completed Astronomy 4.

ASTRON 3, Stellar Astronomy with Laboratory**4 units**

Transfer: UC*, CSU

IGETC AREA 5A (Physical Sciences, + LAB)

- Prerequisite: None.

*Maximum credit allowed for Astronomy 1 and Astronomy 3 is one course (4 units).

This survey course covers the same material as Astronomy 1 but has a laboratory portion covering astronomical observations. The laboratory portion includes the use of star charts, celestial globes, spectroscopes, optical benches,

occasional visits to the planetarium, and computer simulations.

ASTRON 4, Planetary Astronomy with Laboratory**4 units**

Transfer: UC*, CSU

IGETC AREA 5A (Physical Sciences, + LAB)

- Prerequisite: None.

*Maximum credit allowed for Astronomy 2 and Astronomy 4 is one course (4 units).

This survey course covers the same material as Astronomy 2, but includes a laboratory section covering astronomical observations. The laboratory portion includes the use of star charts, celestial globes, optical benches, and occasional visits to the planetarium, and computers for computer simulations. It is a one semester survey introduction to the origin and evolution of solar systems, including planetary atmospheres, interiors, surface features, moons, and their interaction with comets, asteroids, and the solar wind.

ASTRON 5, Life in the Universe**3 units**

Transfer: UC, CSU

IGETC AREA 5A (Physical Sciences, non-lab)

- Prerequisite: None.

This course surveys the latest ideas concerning the origin and evolution of life on earth and discusses how these ideas are influencing our search for life on other planets in our solar system and elsewhere in the Universe. Topics covered include the chemical and biological basis of life, the search for life on Mars, extrasolar planets and the search for extraterrestrial intelligence (SETI).

ASTRON 6, Archaeoastronomy**3 units**

Transfer: UC, CSU

IGETC AREA 4 (Social and Behavioral Sciences)

- Prerequisite: None.

This course satisfies the Santa Monica College Global Citizenship requirement.

This course will stress naked-eye astronomy and the historical development of astronomical thought, from the stone age to modern times. Students will learn about celestial motions and how these motions have shaped various cultural views, and how cultural beliefs and values shaped interpretations of the phenomena seen. We will see how eclipses of the sun and moon helped mark important epochs of time, and how solar and lunar motions were used to help create calendars. The class will study the development of astronomy in western European cultures, American cultures (North America, Mesoamerica, and South America), and non-western cultures (Asia, Africa).

ASTRON 7, Cosmology**3 units**

Transfer: UC, CSU

IGETC AREA 5 (Physical Sciences, non-lab)

- Prerequisite: None.

This course explores how our ideas surrounding the origin, evolution and future of the universe have developed from earliest times until present day. Topics discussed include creation mythology, gravity, matter and radiation, relativity, cosmic expansion and acceleration, the Big Bang, dark matter and dark energy, the cosmic microwave background, inflation and the multiverse.

ASTRON 8, Introduction to Astrophysics 3 units

Transfer: UC, CSU

IGETC AREA 5A (Physical Sciences, non-lab)

- *Prerequisite: Math 2.*

A rigorous quantitative introduction to the physics of astronomy for prospective majors and mathematically-minded enthusiasts. The course employs graphing techniques, systems of equations, and geometric analysis to survey a wide range of astronomical phenomena including stellar evolution, planetary physics, and extragalactic cosmology. Emphasis will be placed upon deploying expedient methods of approximation to solve problems in emerging frontiers of research such as exoplanets, brown dwarfs, neutron stars, black holes, quasars, dark matter, and gamma-ray bursts. This curriculum provides an extraordinary opportunity for the motivated student to experience the thrill of applied math in the cosmic context of 21st century astrophysics.

ASTRON 9, Astrophysics with Calculus 3 units

Transfer: UC, CSU

IGETC AREA 5A (Physical Sciences, non-lab)

- *Prerequisite: Math 8; and Physics 8 or Physics 21.*

A robust calculus-based treatment of Astrophysics suited for science majors and mathematically-minded enthusiasts. The course makes use of methods in quantitative analysis including dynamical physics, differential and integral calculus, trigonometry and advanced graphing techniques to address a wide range of astronomical phenomena including stellar properties, interior structure, stellar evolution, variable stars, planetary atmospheres and gaseous nebulae, and the large-scale structure of the Universe. Emphasis will be placed on finding analytic solutions to problems in emerging areas of research such as exoplanetary systems, red giants, white dwarfs, supernovae, neutron stars, pulsars, black holes, the interstellar medium, dark matter, active galactic nuclei, gamma-ray bursts, dark energy and big bang nucleosynthesis. This curriculum provides a remarkable opportunity for the motivated student to experience the power of applying calculus-based physics to the frontiers of contemporary astrophysical problems.

ASTRON 10, Exploration of the Solar System 3 units

Transfer: UC (pending), CSU

- *Advisory: Astronomy 2 or 4 or Geology 1 or 4.*

This course provides a geologic and astronomic view of solar system exploration. Current knowledge of the geology of other planets, natural satellites and asteroids is discussed. Current studies in planetary science and how to access and utilize data collected from modern and historic planetary missions and Earth-based studies are also examined.

Astronomy 10 is the same course as Geology 10. Students may earn credit for one, but not both.

Automotive Technology

AUTO 40, Automotive Maintenance and Operation 3 units

- *Prerequisite: None.*

This course is an introductory course dealing with the maintenance and operation of the modern automobile. The course familiarizes the student with career opportuni-

ties in the automotive industry. Also covered are tools and equipment and safe working practices in the automotive industry.

AUTO 45, Automotive Braking Systems 3 units

- *Prerequisite: None.*

This is a theoretical and practical course in automotive braking systems. It includes operating principles, component description, diagnosis, and service.

AUTO 46, Automotive Electrical Systems 3 units

- *Prerequisite: None.*
- *Skills Advisory: Auto 40 or equivalent.*

This course covers basic electricity and automotive electrical systems such as battery, starting, charging, and electronic ignition. Test equipment and computer systems will also be covered.

AUTO 47, Suspension and Steering 3 units

- *Prerequisite: None.*

This is a course in the principles of automotive suspension, steering systems, and four-wheel suspension alignment. Topics include the two types of steering systems that are widely used in today's consumer vehicles: rack-and-pinion steering, and "recirculating ball" or "worm gear" steering, also known as conventional. This course prepares students for entry-level positions or advanced training in automotive suspension and steering systems, with the opportunity to acquire marketable skills in wheel alignment, and the testing, diagnosis, and repair of steering and suspension systems.

AUTO 50, Emerging and Alternative Auto Technology 3 units

- *Prerequisite: None.*

Students will gain an understanding of the current state of vehicle technology in the U.S. In addition, they will study the impact of alternative fuels, hybrid-electric drives, and other technology emerging in the transportation marketplace. Emissions, fuel economy benefits and regulations, and safety and service requirements will be examined. The interaction of issues such as economic viability, energy independence, the regulatory environment, infrastructure, and the consumer environment will be examined from the standpoint of the ability of each technology to solve transportation-related energy and air pollution problems. The global impact of the automobile will be studied.

AUTO 90A, Automotive Internship 1 unit

- *Prerequisite: Instructor approval required.*

Students must arrange an approved internship prior to enrolling in this Class. F-1 students must see the Immigration Coordinator at the International Education Center before enrolling.

The internship program is designed to provide the advanced student with on-site, practical experience in the automotive field. Learning objectives and exit internship evaluation are required.

Basic Skills – Noncredit

The following classes are noncredit and free--they do NOT carry academic credit or assign grades.

ENGL 990, English Acceleration Support 4 units

This course is designed for students to enhance and improve their skills to promote success in college-level composition and reading. It consists of instruction in composition and the comprehension and analysis of readings. It also includes discussion, in-class writing, and a review of English grammar and usage.

Biological Sciences

Students must be present for the first session of biological science classes to be assured of admission to limited laboratory spaces.

Students who wish to enroll in a Life Sciences course must demonstrate that they have met the prerequisites for the course prior to enrollment. Continuing students must complete prerequisite courses with a C or better. If currently enrolled in a prerequisite course at SMC at the time of enrollment, students will be admitted to subsequent courses based upon midterm placement results, but will be dropped if the prerequisite course is not completed with a C or better. Students who have successfully completed one or more prerequisite courses (earning a grade of C- or better in both the lecture and lab courses and an average of C (2.0) or better overall) at another institution may be able to verify having met the prerequisites by submitting a transcript and course description and course syllabus for the prerequisite courses.

Some of the courses listed in this section are accompanied by Supplemental Instruction. Supplemental Instruction (SI) is an academic assistance program that utilizes free peer-assisted weekly study sessions to help students learn the most difficult course content. For more information, please see the SI website at www.smc.edu/si.

ANATMY 1, General Human Anatomy 4 units

Transfer: UC, CSU

C-ID: BIOL 110B.

IGETC AREA 5B (Biological Sciences, + LAB)

- *Prerequisite: English 1.*

This course is an intensive study of the gross and microscopic structure of the human body including the four major types of tissue and their subgroups, and the following organ systems: integumentary, skeletal, muscular, circulatory, respiratory, digestive, urinary, reproductive, endocrine, nervous, and sensory. Functions of the organ systems are included at the introductory level to prepare students for a course in Human Physiology. Laboratory assignments develop the skills of observation, investigation, identification, discovery and dissection. The use of actual specimens, including cat dissection and observation of a human cadaver, is emphasized to assure that students learn the relative structure, functions, textures and variations in tissues not incorporated in models. Supplemental materials such as models, photographs, charts, videotapes, and digitized images are also provided. This course is required for students preparing for many Allied Health professions including, but not limited to, Nursing, Respiratory Therapy, Physical Therapy, Physical Education and Kinesiology Training, and Physician's Assistant and is a prerequisite for Human Physiology 3.

ANATMY 2, Advanced Human Anatomy 4 units

Transfer: UC, CSU

IGETC AREA 5B (Biological Sciences, + LAB)

- *Prerequisite: Anatomy 1.*

This course emphasizes developmental, comparative, gross anatomy as applied to various disciplines such as clinical medicine, anthropology, art, illustration, kinesiology and pathology in order to demonstrate practical and professional applications of anatomy. The laboratory experience includes individualized instruction in dissection of the human body. Students prepare seminars on specific anatomy topics for presentation to faculty and other students. Guest lecturers and field trips may be included.

BIOL 2, Human Biology 3 units

Transfer: UC, CSU

IGETC AREA 5B (Biological Sciences non-lab)

- *Prerequisite: None.*
- *Skills Advisory: Eligibility for English 1.*

This survey course explores the principles of biology using humans as examples. It includes introductions to the scientific method, cell biology, heredity, evolution, human ecology, behavior, and the major concepts of structure, function and pathology of most organ systems. The course may serve as an introduction to the future study of biology, including anatomy and physiology, or stand by itself as a non-lab life science course for general education students.

BIOL 3, Fundamentals of Biology 4 units

Transfer: UC*, CSU

IGETC AREA 5B (Biological Sciences, + LAB)

- *Prerequisite: None.*
- *Skills Advisory: Eligibility for English 1.*

**No UC credit given for Biology 3 if taken after Biology 21, 22 or 23.*

This general biology course is for transfer students who are not biology majors. Topics include basic molecular and cellular biology, genetics, the anatomy and physiology of plants, animals and humans, the diversity of life, evolution, and ecology. Current environmental issues and new developments in biological science are discussed. Laboratory experiences are integrated and stress scientific methodology and thinking.

Credit is allowed for one course from either Biology 3, 4, Botany 1.

BIOL 4, Modern Applications of Biology 4 units

Transfer: UC*, CSU

IGETC AREA 5B (Biological Sciences, + LAB)

- *Prerequisite: None.*
- *Skills Advisory: Eligibility for English 1.*

**No UC credit is given for Biology 4 if taken after Biology 21, 22, 23, Botany 1 or Zool 5.*

This general education course surveys biology from the perspective of the exciting discoveries coming from the studies of DNA and protein. Current methods of biotechnology will be discussed and illustrated in laboratory exercises. Topics include genetics, evolution, anatomy and physiology of animals and plants, and ecology. Applications of biotechnology include gene therapy, diagnostics, medical forensics, and transgenic animals and plants. This course is designed for transfer students who are not biology majors. It is recommended for future teachers of biology.

Credit is allowed for one course from *Biology 3, 4, Botany 1*.

BIOL 9, Environmental Biology 3 units

Transfer: UC, CSU

IGETC AREA 5B (Biological Sciences, non-lab)

- Prerequisite: None.
- Skills Advisory: Eligibility for English 1.

This course satisfies Santa Monica College's Global Citizenship requirement.

This survey course covers ecological principles including ecosystem structure and function, population dynamics and the interdependence of living organisms. Current environmental issues and controversies such as global warming, biodiversity and species extinction, habitat destruction, food and energy resources and pollution will be explored. Strategies for sustainable living will be emphasized.

BIOL 15, Marine Biology with Laboratory 4 units

Transfer: UC*, CSU

IGETC AREA 5B (Biological Sciences, + LAB)

- Prerequisite: None.
- Skills Advisory: Eligibility for English 1.

*Total of four units credit for *Biology 15* and *Biology 15N* is transferable.

This survey course of marine organisms and their relationships to their environment emphasizes intertidal and off-shore life forms. Included is an investigation of behavior, ecology, morphological and physiological adaptations and environmental relationship to humans. This course is three hours each of lecture and laboratory work.

BIOL 15N, Marine Biology (Non-Laboratory) 3 units

Transfer: UC*, CSU

IGETC AREA 5B (Biological Sciences, non-lab)

- Prerequisite: None.
- Skills Advisory: Eligibility for English 1.

*Total of four units credit for *Biology 15* and *Biology 15N* is transferable.

This survey course of marine organisms and their relationships to their environment emphasizes intertidal and offshore life forms. Included are investigation of behavior, ecology, morphological and physiological adaptations and environmental relationship to humans. This course includes three hours of lecture per week.

BIOL 21, Cell Biology and Evolution 4 units

Transfer: UC*, CSU

IGETC AREA 5B (Biological Science, + Lab)

- Prerequisite: Chemistry 11.

*No UC credit for *Biology 3, 4, Botany 1* or *Zoology 5* if taken after *Biology 21, 22* or *23*.

This is the first course of a three-course lecture and laboratory sequence for Biology majors, including *Biology 21, 22, and 23*. It describes how scientists approach the scientific method to generate scientific knowledge; studies the history, evidence, and mechanisms of evolution; identifies the chemistry of four classes of macromolecules; elucidates the cell principle including cell structure, function, and physiology; describes general energy metabolism; and illustrates the processes of growth and reproduction through mitosis, meiosis, development, and life cycles. Students are required to perform at least two experiments that require data collection, computer-based data management and graphing, and scientific analysis and interpretation of data. The

course is designed to meet the needs of students transferring to upper division biology study.

BIOL 22, Genetics and Molecular Biology 4 units

Transfer: UC*, CSU

IGETC AREA 5B (Biological Science, + Lab)

- Prerequisite: *Biology 21* and *Chemistry 11*.
- Skills Advisory: *Chemistry 21* and *Eligibility for English 1*.

*No UC credit for *Biology 3, 4, Botany 1* or *Zoology 5* if taken after *Biology 21, 22* or *23*.

This is the second course of a three-course lecture and laboratory sequence for Biology Majors, *Biology 21, 22* and *23*. It focuses on the structure, function and transmission of genes from the perspectives of genetics and molecular biology. A strong foundation in genetics and its relationship to molecular biology is developed through problem solving. Students perform experiments that require data analyses and demonstrate interpretations in laboratory reports. Application of Internet databases for bioinformatics is used to show relationships between DNA and protein sequences. The course is designed to meet the needs of students transferring to upper division biology study.

It is strongly recommended that students also enroll in *Chemistry 21* which is required for transfer.

BIOL 23, Organismal and Environmental Biology 5 units

Transfer: UC*, CSU

IGETC AREA 5B (Biological Sciences, + LAB)

- Prerequisite: *Biology 22*.
- Skills Advisory: *Eligibility for English 1*.

*No UC credit for *Biology 3, 4, Botany 1* or *Zoology 5* if taken after *Biology 21, 22* or *23*.

This is the third of a three-course lecture and laboratory sequence for biology majors. Organisms at and above the cellular level of organization are examined, with plants, invertebrates, and vertebrates receiving equal attention. Topics emphasized include morphology, physiology, systematics, ecology, evolution, and behavior. Additionally, each student must complete a term project which includes lab or fieldwork and library research. Transfer credit is limited if students enroll in other overlapping Biology courses or *Zoology 5*.

BIOL 45 A-Z, Field Studies in Natural History 0.5 – 3 units

Transfer: CSU

- Prerequisite: None.
- Skills Advisory: *Eligibility for English 1*.

See *Schedule of Classes* for current offerings

This series of courses is designed to combine classroom and laboratory studies with actual field studies in biology. Students will be introduced to the flora and fauna of particular habitats, biomes, or ecological communities and the ecological relationships of these areas using a field biology approach. Identification of unknown organisms and use of standard field sampling techniques are emphasized. Courses in this series allow students to study and visit such diverse areas as Belize, China, Tahiti, the Amazon, and the Galapagos Islands and specific habitat-types such as California Deserts, California Mountain ranges, and wetlands of southern California.

BIOL 46 A-Z, Field Studies in Natural History **0.5 – 3 units**

Transfer: CSU

- *Prerequisite: None.*
- *Skills Advisory: Eligibility for English 1.*

See *Schedule of Classes* for current offerings.

This series of courses is designed to combine classroom and laboratory studies with actual field studies in biology. Students will be introduced to the flora and fauna of particular habitats, biomes, or ecological communities and the ecological relationships of these areas using a field biology approach. Identification of unknown organisms and use of standard field sampling techniques are emphasized. Courses in this series allow students to study and visit such diverse areas as Belize, China, Tahiti, the Amazon, and the Galapagos Islands, and specific habitat-types such as California Deserts, California Mountain ranges, and wetlands of Southern California.

BIOL 75, Biotechnology Methods **5 units**

Transfer: UC, CSU

- *Prerequisite: Chemistry 11.*
- *Corequisite: Chemistry 12.*
- *Skills Advisory: Microbiology 1, Physiology 3; or Biology 2, 3, 4, 21 or 22.*

This course provides an introduction to commonly used techniques in biotechnology. Students will learn basic principles behind the methods and gain "hands-on" experience with techniques for analyzing DNA and protein. Methods for studying DNA will include DNA subcloning, bacterial transformation, agarose gel electrophoresis, restriction endonuclease mapping, polymerase chain reaction (PCR), restriction fragment length polymorphism (RFLP) by Southern blotting and non-isotopic detection of DNA. Techniques for analyzing proteins will include enzyme-linked immunosorbent assay (ELISA), protein quantitation and polyacrylamide gel electrophoresis (PAGE). Skills developed in this course can lead to employment as a biotechnology technician.

BIOL 81, BioBrightStart, Basic Biology **2 units**

- *Prerequisite: None.*

A hands-on preparatory course designed to introduce underprepared students to the magic and wonder that is the fascinating world of biology in an atmosphere that is designed to de-mystify the biological world. Basic concepts associated with biology and its role in the environment will be presented. Students will learn about the tools and methods used by biologists to gather scientific information and will use these tools to acquire the basic skills needed to succeed in College level biology courses.

Course credit may not be applied toward satisfaction of Associate degree requirements.

BIOL 88A, Independent Studies in Biological Sciences **1 unit**

Transfer: CSU

Please see "Independent Studies" section.

BIOL 88B, Independent Studies in Biological Sciences **2 units**

Transfer: CSU

Please see "Independent Studies" section.

BIOL 88C, Independent Studies in Biological Sciences **3 units**

Transfer: CSU

Please see "Independent Studies" section.

BIOL 90A, Life Science Internship **1 unit**

Transfer: CSU

- *Prerequisite: None.*

Students must arrange an approved internship prior to enrolling in this class. F-1 students must see the Immigration Coordinator at the International Education Center before enrolling.

The Internship Program is designed to provide the student with real life experience in Life Science.

BIOL 90B, Life Science Internship **2 units**

Transfer: CSU

- *Prerequisite: None.*

Students must arrange an approved internship prior to enrolling in this class. F-1 students must see the Immigration Coordinator at the International Education Center before enrolling.

The Internship Program is designed to provide the student with real life experience in Life Science.

BIOL 94C, Cell and Molecular Biology Research Methods **2 units**

Transfer: UC, CSU

- *Prerequisite: Biology 21 or Science 10.*
- *Skills Advisory: Eligibility for English 1*

This course utilizes techniques of biochemistry and cellular and molecular biology to explore the actions of cellular proteins participating in pathways that are critical to the functioning of living organisms. Students examine the roles of a single vital protein or pathway. Through a survey of the scientific literature, students formulate hypotheses and determine appropriate methods for testing predictions. Students collect data, apply statistical methods, engage in comprehensive data interpretation, utilize computer-aided computational analyses of protein structure and searches of bioinformatics databases to evaluate experimental results, and generate new hypotheses. Comparisons between the normal function of the protein or pathway and the possible outcomes of dysfunctions are emphasized. Students report their findings in the format of a scientific journal article.

BOTANY 1, General Botany **4 units**

Transfer: UC*, CSU

IGETC AREA 5B (Biological Sciences, + LAB)

- *Prerequisite: None.*
- *Skills Advisory: Eligibility for English 1.*

**No UC credit for Botany 1 if taken after Biology 21, 22 or 23 and no credit for Biology 4 if taken after Zoology 5 or Botany 1.*

This course provides an overview of photosynthetic organisms (the Plant Kingdom, photosynthetic Monerans and Protists) and Fungi. Flowering plants are emphasized. Topics covered include a survey of botanical life forms, taxonomy, the structure, development and function of cells, stems, roots leaves, flowers, and seeds; chemistry, photosynthesis, respiration, plant physiology, Mendelian and molecular genetics, genetic engineering, evolution, and ecology. Scientific thinking skills will be developed

in laboratory exercises. One or more labs are field trips to local natural areas or Plant society meetings.

Credit is allowed for one course from either Biology 3, 4, Botany 1.

BOTANY 3, Field Botany **4 units**

Transfer: CSU

- *Prerequisite: None.*
- *Skills Advisory: Eligibility for English 1.*

This introduction to the life habits, interrelationships, and classification of both native and introduced plants. Provides practice in identifying species by means of keys, manuals, and charts. Emphasis is on the field study of southern California plant communities, both terrestrial and marine. Other geographic regions may be explored. Field trips are taken to any combination of botanical gardens, parks, nurseries and a number of natural settings, including nature reserves, as well as state and national parks. It is designed to be of special interest to future teachers and recreational leaders, as well as to majors in botany, general agriculture, landscape architecture, forestry, and wildlife management.

MCRBIO 1, Fundamentals of Microbiology **5 units**

Transfer: UC, CSU

IGETC AREA 5B (Biological Sciences, + LAB)

- *Prerequisite: Chemistry 19 (preferred) or Chemistry 10 or eligibility for Chemistry 11; and Physiology 3 or Biology 3 or 21.*
- *Skills Advisory: Eligibility for English 1.*

This course involves study of several types of microorganisms with emphasis on bacteria. Principles of microbiology, metabolism, genetics, immunology, and medical and nonmedical applications are considered. The laboratory includes aseptic transfer techniques, cultural characteristics, methods of microscopy, and analytical techniques for identifying microbial organisms. The course content is related to both general and clinical applications including recent molecular biological and serological techniques.

NUTR 1, Introduction to Nutrition Science **3 units**

Transfer: UC, CSU

C-ID: NUTR 110.

- *Prerequisite: None.*
- *Skills Advisory: Eligibility for English 1.*

Human nutrition, integrating anatomy, physiology, biochemistry, and psychology, is studied in relation to wellness and degenerative disease prevention. Scientific information and principles provide the foundation for evaluating current concepts in nutrition for practical application in daily living.

NUTR 3, Introduction to the Dietetics Profession **1 unit**

Transfer: CSU

- *Prerequisite: None.*

This course explores the fields of Dietetics and Nutrition, including trends, future projections, and employment opportunities. The course offers an overview of the dietetics profession including career options, professional development, continuing education, code of ethics, state and national standards of scope and practice, professional values, creativity, Academy of Nutrition and Science position papers and evidence-based references and resources. Additionally, each student will be guided through the

process of creating a resume, the processes of building a portfolio and networking through the district dietetic association and contribute to the nutritional status of the community. Service learning may be used in this course.

NUTR 4, Healthy Lifestyle: Food and Fitness **3 units**

Transfer: CSU

- *Prerequisite: None.*

This course will help individuals to develop knowledge of how to eat healthy for fitness, health and sport. They will learn how to maintain/gain or lose weight in a healthy manner. Nutrition and physical assessments will guide the development of these life style skills. Nutrients needed for achieving a healthy level of fitness and weight will be discussed. The dangers of disordered eating and body dysmorphia will be discussed. Individuals will learn how to evaluate the latest weight loss, fitness and dietary supplement fads.

NUTR 6, Clinical Nutrition in Health Care **3 units**

Transfer: CSU

- *Prerequisite: Biology 3 or Physiology 3.*
- *Skills Advisory: Eligibility for English 1.*

This course is intended to prepare Nursing and other Allied Health students to understand organ systems and the pathophysiology of various disease states and the clinical nutrition implications for restoring health and/or managing disease. The Scientific Method serves as the foundation for evaluating current research in clinical nutrition. Issues of assessment and ethics are discussed as they relate to professional standards of practice and behavior.

NUTR 7, Food and Culture in America **3 units**

Transfer: UC, CSU

IGETC AREA 4 (Social and Behavioral Sciences)

- *Prerequisite: Nutrition 1.*

This course satisfies the Santa Monica College Global Citizenship requirement.

The evolution of American food culture is examined from a historical, contemporary, economic, political and scientific survey of ethnic groups in America, including Native Americans, European Americans, African Americans, Asian Americans, and Latinos. Immigration, enculturation, acculturation, religion, food availability, food preference, food behavior, food preparation, food beliefs and food-related gender roles are considered. These factors are compared and contrasted across the ethnic groups and regions in America. The impact of "Americanization" on ethnic cuisines and impact of ethnic cuisines on the American economy are explored. Current research on the health- and nutrition-related implications of ethnic groups' food choices/practices is reviewed. Engendering cultural sensitivity and competency is at the core of this course.

NUTR 8, Principles of Food with Lab **3 units**

Transfer: CSU

- *Prerequisite: None.*

Application of food science principles with emphasis on ingredient function and interaction, food preparation techniques, sensory evaluation standards, food safety and sanitation, and nutrient composition of food.

NUTR 9, Nutrition Education and Counseling **3 units**

Transfer: CSU

- *Prerequisite: Nutrition 1 and 6.*

Nutrition education, communication, interviewing, counseling and motivational principles will be discussed/role-played as they pertain to working with groups and/or individuals to obtain/maintain wellness or manage existing health conditions. Fundamental knowledge of nutritional science, clinical nutrition, fitness, and wellness is necessary. Experiential activities, including presentations and counseling triads, will provide exposure to assessing, planning, and evaluating effective dietary/lifestyle modification plans/strategies for working with diverse populations throughout the life cycle.

NUTR 88A, Independent Studies in Nutrition 1 unit

Transfer: CSU

Please see "Independent Studies" section.

NUTR 88B, Independent Studies in Nutrition 2 units

Transfer: CSU

Please see "Independent Studies" section.

NUTR 90A, Internship in Nutrition 1 unit

- *Prerequisite: None.*

Students must arrange an approved internship prior to enrolling in this class. F-1 students must see the Immigration Coordinator at the International Education Center before enrolling.

The Internship Program is designed to provide the student with real life experience in Nutrition.

NUTR 90B, Internship in Nutrition 2 units

Transfer: CSU

- *Prerequisite: None.*

Students must arrange an approved internship prior to enrolling in this class. F-1 students must see the Immigration Coordinator at the International Education Center before enrolling.

The Internship Program is intended to provide real life experience in Nutrition.

NUTR 90C, Internship in Nutrition 3 units

Transfer: CSU

- *Prerequisite: None.*

Students must arrange an approved internship prior to enrolling in this class. F-1 students must see the Immigration Coordinator at the International Education Center before enrolling.

The Internship Program is intended to provide real life experience in Nutrition.

NUTR 90D, Internship in Nutrition 4 units

Transfer: CSU

- *Prerequisite: None.*

Students must arrange an approved internship prior to enrolling in this class. F-1 students must see the Immigration Coordinator at the International Education Center before enrolling.

The Internship program is intended to provide real world experience in the field of nutrition.

PHYS 3, Human Physiology 4 units

Transfer: UC, CSU

IGETC AREA 5B (Biological Sciences, + LAB)

- *Prerequisite: Chemistry 19 (preferred) or Chemistry 10 or eligibility for Chemistry 11; and Anatomy 1.*
- *Skills Advisory: Eligibility for English 1.*

This rigorous course provides a basic understanding of physiological mechanisms with a focus on the human body. Basic concepts of cellular physiology, including: molecular control; mechanisms of gene expression; ligand-binding site interactions; energy and cellular metabolism; membrane transport; membrane and action potentials; and cellular communication, including signal transduction, will be integrated within the concept of homeostasis involving the following body systems: nervous and sensory, endocrine, muscular, circulatory, immune, respiratory, renal, digestive, and reproductive. The course content includes both general and clinical applications and is intended to prepare students for advanced courses in Allied Health and Medical professions including Nursing, Physical Therapy, Respiratory Therapy, Physician's Assistant, Pharmacy, and Exercise Science/Kinesiology Training.

ZOOL 5, Introductory Zoology 4 units

Transfer: UC*, CSU

IGETC AREA 5B (Biological Sciences, + LAB)

- *Prerequisite: None.*

- *Skills Advisory: Eligibility for English 1.*

**No UC credit for Zool 5 if taken after Biology 21, 22 or 23 and no credit for Biology 4 if taken after Zoology 5 or Botany 1.*

This general zoology course deals with the major animal groups from protists through vertebrates. Consideration is given to animal form, function, natural history, and behavior. Comparisons are made between groups and are used to stress the principles of evolution, classification, morphology, cell biology, organ system function, genetics, and ecology. Critical and scientific thinking skills are illustrated and developed.

ZOOL 17, Field Zoology 4 units

Transfer: CSU

- *Prerequisite: A life sciences course.*

- *Skills Advisory: Eligibility for English 1.*

This course introduces the vertebrate and invertebrate animals of southern California within the context of natural ecological communities. Emphasis is placed on the techniques used for field identification, population monitoring, behavioral observation, and habitat description. Students also learn how field data are collected, analyzed and reported. The value of natural areas in human-dominated landscapes is stressed. Field trips are an integral part of the course.

ZOOL 20, Vertebrate Field Studies 3 units

Transfer: CSU

- *Prerequisite: None.*

- *Skills Advisory: Eligibility for English 1.*

This course is designed to expose students to the techniques used by field zoologists to study wild vertebrate animals. The course focuses on vertebrates of southern California and emphasizes the techniques used to observe and survey wild animals. Students design a study, collect and analyze data, and present their findings in written and oral form. Field trips are an integral part of the course.

Botany

Please see listing under "Biological Sciences."

Broadcasting

Please see listing under “Media Studies.”

Business

BUS 1, Introduction to Business 3 units

Transfer: UC, CSU
C-ID: BUS 110.

- *Prerequisite: None.*
- *Skills Advisory: Eligibility for English 1.*

An overview of the functional areas of business in a global society. Students will complete the course with knowledge of the general business environment, economic systems, business ethics, operations and project management, and technology and information systems. In addition, students will learn the fundamentals of economics, business ownership, entrepreneurship, finance, management, leadership, and marketing. Key themes woven throughout the course include exploration of career options and development of business problem-solving skills.

BUS 4, Leisure Industries and Tourism 3 units

Transfer: CSU

- *Prerequisite: None.*

This course covers the historical and philosophical foundations of commercial recreation, hospitality, tour, and travel industries. It identifies the providers of goods and services and the career opportunities available in this industry. Students analyze the current trends in leisure enterprises including travel, tourism, hotels, motels, theme parks, event management, special events, meetings, conventions, and allied leisure industries. Each student will develop a commercial recreation business plan and a tourism destination business plan with the assistance of computer software.

BUS 5, Business Law 3 units

Transfer: UC*, CSU
C-ID: BUS 125.

- *Prerequisite: None.*

**Maximum UC credit allowed for ACCTG 26, BUS 5, BUS 6 is one course (3 units).*

This course provides students with an overview of the fundamental legal principles pertaining to business transactions and related topics. It also encompasses introductory subjects concerning the U.S. legal system such as the court structure, sources of law, legal reasoning and case analysis. To give students a broad perspective on the various laws and areas impacting business, the following topics are also explored: criminal law, torts, civil procedure, administrative processes, contract law, ethics, constitutional law, agency and the legal principles pertaining to business entities.

BUS 6, Advanced Business Law 3 units

Transfer: UC*, CSU

- *Prerequisite: Business 5.*

**Maximum UC credit allowed for ACCTG 26, BUS 5, BUS 6 is one course (3 units). Formerly same course as ACCTG 26.* This course covers advanced topics in agency, partnerships, corporations, LLCs, torts, legal procedures, and other advanced topics.

BUS 11, Introduction to the Hospitality Industry 3 units

Transfer: CSU

- *Prerequisite: None.*

This course provides students with an introduction to the hospitality industry, explaining the interrelationships and history of key leisure industry segments. An emphasis is placed on the application of technology, sustainability, ethics, leadership, teams, critical thinking, and service standards for the restaurant, hotel, and travel-related businesses. The course examines career opportunities, operations management, human resource management, marketing, and financial considerations for each segment.

BUS 15, Introduction to Insurance with Code and Ethics 2 units

Transfer: CSU

- *Prerequisite: None.*

The purpose of this course is to introduce students to the basic overview of the property/casual insurance system. It is designed for those students who have little or no knowledge of insurance. In addition, this course will enable students to understand and apply the proper ethical behavior and obligations related to the insurance field.

BUS 16, Personal Insurance 3 units

Transfer: CSU

- *Prerequisite: None.*

In this course, students will learn the essentials of personal insurance coverages. Personal property and liability topics will include automobile, homeowners, and other residential insurance, such as earthquake, flood, marine and miscellaneous coverages. The basics of financial planning, life insurance and health insurance will also be covered.

BUS 17, Property and Liability Insurance 3 units

Transfer: CSU

- *Prerequisite: None.*

In this course, students will learn the basics of property and liability insurance. It covers types of insurers, institutions that provide insurance, insurance regulation, and measurement of financial performance. It also covers insurance operations, including marketing techniques, underwriting, claims, insurance contracts, loss exposure and risk management.

BUS 18, Commercial Insurance 3 units

Transfer: CSU

- *Prerequisite: None.*

In this course, students will learn the basics of commercial insurance. It covers commercial property insurance, business income insurance, commercial crime insurance, equipment breakdown insurance, inland and ocean marine insurance, commercial general liability insurance, commercial automobile insurance and miscellaneous commercial insurance coverage.

BUS 20, Principles of Marketing 3 units

Transfer: CSU

- *Prerequisite: None.*

This course introduces modern business marketing concepts and strategies and familiarizes the student with standards, procedures, and techniques used in marketing. Topics include marketing research; consumer behavior;

target marketing; green marketing; and product, pricing, promotion, and distribution strategies.

BUS 21, Merchandising Principles 3 units

Transfer: CSU

- *Prerequisite: None.*

This course provides an introduction to retailing concepts and strategies used by contemporary merchandisers. Special attention will be given to the theory and practice involved in such merchandising activities as sales transactions, customer services, types of merchandising institutions, store operation and policies, store layout and fixtures, advertising, and display.

BUS 22, Introduction to Advertising 3 units

Transfer: CSU

- *Prerequisite: None.*

Advertising psychology, strategies, and methods are covered in this introduction to the field. Topics include planning advertising campaigns for all types of media. Class projects give the student practice in creating and communicating ideas using advertising strategy and techniques.

BUS 23, Principles of Selling 3 units

Transfer: CSU

- *Prerequisite: None.*

This course explores the fundamental sales process of analyzing customer needs and satisfying those needs with a relevant product or service. Topics include prospecting and qualifying potential buyers, preparing for sales calls, delivering sales presentations, handling customer objections, negotiating sales transactions, closing sales, and providing effective follow-up.

BUS 24, Creative Selling 3 units

Transfer: CSU

- *Prerequisite: None.*

This course involves the process of analyzing the potential customers' needs and wants, and assisting them to discover how these needs and wants can be best satisfied. The entire process is done by emphasizing each student's creative ability. The proper use of merchandising to stimulate customer desire and to overcome customer resistance is included.

BUS 25, Advertising Display 3 units

Transfer: CSU

- *Prerequisite: None.*

This class surveys the techniques, styles and variations of presenting tangible merchandise in physical, print and electronic formats. Color theory, design principles and consumer psychographic interests blend with advertising and sales techniques to highlight how hard and soft goods are sold in the brick-and-mortar and virtual retail sectors.

BUS 26, Marketing Research and Consumer Behavior 3 units

Transfer: CSU

- *Prerequisite: None.*

The marketing research portion of the course includes the allocation and usage of secondary as well as primary data sources, the understanding of basic concepts, the collection of information, the proper analysis of the data acquired, and the screening of sample applications. The consumer behavior section of the course will introduce the student to knowledge, concepts, and models that use consumer

behavior to generate explanations for the behavior of individual consumers and groups, the decisions they make, and the culture they live in. The final section of the course focuses on the application of marketing research and consumer behavior. The student will learn how these skills can help them in business, as well as how to build their own research study.

BUS 27, Introduction to e-Commerce 3 units

Transfer: CSU

Formerly same course as CIS 27.

Students will learn the technological and strategic aspects of electronic commerce essential to succeeding in today's internet-based economy. No background in e-commerce is necessary. This is a lecture and theoretical course which covers the key technologies used in e-Commerce, the history of internet and web technologies, infrastructure, and the economic forces behind e-Commerce. Business goals and constraints, technology and process tools, business strategies and tactics, and underlying economic theories relating to successful e-Commerce will be discussed.

BUS 28, Marketing Promotion 3 units

Transfer: CSU

- *Prerequisite: None.*

This course addresses strategies marketers may use to best communicate with their customers and other stakeholders. By applying an Integrated Marketing Communications perspective to marketing promotion, all aspects of communication are pulled together, thereby providing a more complete treatment of advertising, sales promotion, direct marketing, personal selling, public relations, publicity, and interactive media.

BUS 31, Business English Fundamentals 3 units

Transfer: CSU

- *Skills Advisory: Eligibility for English 1.*

This course emphasizes the use of effective grammar, punctuation, sentence and paragraph structure in writing short business reports and other business documents. This course is recommended instead of English 1 for Business and CIS majors.

BUS 32, Business Communications 3 units

Transfer: CSU

C-ID: BUS 115.

- *Prerequisite: English 1 or Business 31.*

This course surveys the principles and techniques of current and evolving business communication as a process in a variety of business situations. The course emphasizes planning, organizing, composing, and revising business documents using appropriate utilization of a variety of technological platforms, business related internet writing contexts, and web resources. Also, this course will incorporate a variety of internet-based communication tools relevant to doing business in today's world. This course is designed for students who already have college-level writing skills.

BUS 34, Introduction to Social Media Marketing 3 units

Transfer: CSU

- *Prerequisite: None.*

This course provides students with an introduction to social media marketing, including social communities, publishing, entertainment, and commerce. Opportunities and limita-

tions of current social media platforms will be examined. The course will emphasize social media's strategic role in traditional marketing, how to build effective social media marketing strategies, and how to track their effectiveness.

BUS 45, Individual Financial Planning **3 units**

Transfer: CSU

- *Prerequisite: None.*

This course provides students with the tools to achieve their personal financial goals. It will help them make informed decisions related to spending, saving, borrowing, and investing. Topics covered include personal financial planning; money management; tax strategy and the decision processes and behaviors underlying consumer credit; purchasing decisions; insurance; investing in stocks, bonds, mutual funds, and real estate; retirement; and estate planning.

Business 45 is the same class as Accounting 45. Students may earn credit for one, but not for both.

BUS 46, Introduction to Investments **3 units**

Transfer: CSU

- *Prerequisite: None.*

This course provides a comprehensive view of securities, markets, and investment techniques, ranging from simple investment programs to advanced speculative market techniques.

BUS 47, Personal Finance for Students **1 unit**

Transfer: CSU

- *Prerequisite: None.*

This course provides students with the fundamental tools to make informed decisions that impact their short and intermediate-term finances. Topics covered include money management and the decision processes and behaviors underlying spending, saving, and borrowing.

Business 47 is the same course as Counseling 47. Students may earn credit for one but not both.

BUS 50, Introduction to International Business **3 units**

Transfer: CSU

- *Prerequisite: None.*

This course focuses on general business problems, theories, techniques and strategies necessary in the development of business activities in the global market place. The course is designed to promote an understanding of the impact that a country's culture and its political and economic environments have on a firm's international operations. The course covers the global perspective of business fundamentals as they relate to international management, communication, marketing, finance, ethics, etc.

BUS 51, Intercultural Business Communication **3 units**

Transfer: CSU

- *Prerequisite: None.*

This course satisfies the Santa Monica College Global Citizenship requirement.

This course is designed to heighten awareness of culture and its impact on successful business enterprises. The student will develop skills to identify areas where culture and business intersect by focusing on four subsets of American culture (European Americans, Chicano/Latinos, African

Americans and Asian Americans) as well as on international cultures. Emphasis will be placed on how a firm's success is affected by both domestic and global issues influencing intercultural communication.

BUS 52, International Marketing **3 units**

Transfer: CSU

- *Prerequisite: None.*

This course focuses on marketing management problems, techniques and strategies necessary to incorporate the marketing concept into the framework of the world marketplace. This course is designed to promote an understanding of the impact that a country's culture and environment have on the marketing mix as well as the problems of competing in markets having different cultures.

BUS 53, Importing and Exporting **3 units**

Transfer: CSU

- *Prerequisite: None.*

This course presents an overview of importing and exporting as drivers of globalization. It is designed to help students explore the benefits, costs, and risks of importing and exporting as well as the trade regulations involved, the documentation and licensing required, and the public and private sources of financing and other assistance available. It stresses cross-cultural comparisons of foreign business, legal and political practices, trade patterns, and markets as a means of implementing successful import/export plans. Currency exchange, sources and methods of market research, terms of payment, broker services, insurance, letters of credit, transportation and barriers to entry will also be covered.

BUS 54, International Management **3 units**

Transfer: CSU

- *Prerequisite: None.*

This course focuses on issues faced in international management. Techniques and strategies for leading business activities in the world marketplace are examined. The course is designed to promote an understanding of global trends and the decision-making process involved in all aspects of the multinational organization, such as planning, organizing, and human resource management.

BUS 55, Southern California's International Connections **3 units**

Transfer: CSU

- *Prerequisite: None.*

This course provides an overview of Southern California's economy, its people, and its role in the global economic system. Using a variety of tools, students will be introduced to the vital commercial, financial, and personal connections that make Southern California one of the most diverse and globally connected places in the world. Special attention is devoted to key regional institutions that mediate the region's global connections, and to a comparison of Southern California with other major global cities.

BUS 62, Human Relations and Ethical Issues in Business **3 units**

Transfer: CSU

- *Prerequisite: None.*

This course provides concrete guidance in using human relations skills in the workplace that will promote working

effectively with others. Strategies are integrated throughout the course that will enable students to apply human relations theories and applications to the real world of work. Ethical issues in business are addressed where students will learn an explicit process of ethical reasoning that will aid in defining and dealing with dilemmas in the workplace. Current events and case studies will be used to develop critical skills as students apply theories and principles.

BUS 63, Principles of Entrepreneurship 3 units

Transfer: CSU

- *Prerequisite: None.*

This course covers the fundamentals of how to organize, finance, and operate a small business. Topics to be covered include business plan development, financing, legal and ethical issues, marketing, entrepreneurial team development, and business models.

BUS 64, Business Protocol and Professionalism 1 unit

Transfer: CSU

- *Prerequisite: None.*

To become successful and competitive in an ever-changing business environment, individuals must be proficient in business etiquette and protocol. Through lecture, role-playing and participation, students will become proficient in the basics of business interaction. Topics covered include introductions and handshakes, conversational skills, telephone manners, nonverbal communication, business dress, workplace relationships, cross-cultural understanding, and dining manners.

BUS 65, Management Principles 3 units

Transfer: CSU

- *Prerequisite: None.*

This course introduces the student to management concepts and strategies used by modern businesses. The course is designed to familiarize student with the accepted standards, procedures, and techniques employed by top, middle, and supervisory level managers. Further, the course provides students with an understanding of the role of management and how to develop plans and execute strategies in pursuit of organizational goals.

BUS 67, Business Strategies 3 units

Transfer: CSU

- *Prerequisite: None.*

This course is designed to provide students with an introduction to the "management of strategy" in the business enterprise. A case-oriented format has been adopted to focus attention on what a firm should do in an actual business situation, and to provide students with numerous opportunities to develop and exercise their analytical and decision-making skills.

BUS 72, Organizational Management and Leadership 3 units

Transfer: CSU

- *Skills Advisory: Business 62.*

This course examines the special case of detailed planning and implementation of management decisions in strategic business units. Attention is focused on three areas: developing action plans and implementation strategies; devel-

oping awareness of the contingencies to be considered in taking strategic actions, and investigating how different academic disciplines interpret the leadership phenomenon. This course highlights key criteria used in assessing the viability of an organizational action plan, and the role of leadership in managing constructive change processes.

BUS 76, Human Resources Management 3 units

Transfer: CSU

- *Prerequisite: None.*

Human resource management encompasses those activities designed to provide for and coordinate the human resources of an organization. This course is fashioned to emphasize both the theoretical and practical aspects of human resource management. Topics of special interest include equal employment opportunity; staffing the organization; training and developing employees; employee compensation; understanding unions; and organizational maintenance, communication, and information systems.

BUS 79, Bargaining and Negotiations 3 units

Transfer: CSU

- *Prerequisite: None.*

Managerial negotiation, a feature central to labor-management relations, is a common everyday activity that most people use to influence others and to achieve personal objectives. This course integrates theoretical research from the field of social psychology, the literature on collective bargaining from the arena of labor relations, and the "how to do it" writings of popular works on negotiations, and applies them to managerial negotiation. Of particular interest are the areas of persuasion and attitude change, power, conflict management, and justice in organizations. A variety of experientially-based role plays, simulations, questionnaires, and cases are adopted to highlight key aspects of the negotiation process.

BUS 80, Principles of Logistics 3 units

Transfer: CSU

- *Prerequisite: None.*

This course provides an overview of how firms use distribution intermediaries to gain a competitive advantage in local and global markets through the integration of logistics and supply chain management. The management of the physical flow of products and information throughout the entire supply chain is examined, including physical distribution, transportation, warehousing, customer service, materials management, third-party and global logistics, systems planning, and operations and management of the supply chain.

BUS 81, Transportation Management 3 units

Transfer: CSU

- *Prerequisite: None.*

The class provides an overview of the alternative modes, systems, rates, services, and regulations in global transportation. Transportation systems and providers will be examined including ocean, air, and surface carriers, as well as intermodal and special carriers.

BUS 82, Supply Chain Management 3 units

Transfer: CSU

- *Prerequisite: None.*

This course is an overview of the entire supply chain and its key elements. Students are exposed to concepts, models,

and terminology used in demand planning, inventory planning, material planning, distribution planning, fulfillment planning, and related components of a supply chain are examined.

BUS 83, Operations Management **3 units**

Transfer: CSU

- *Prerequisite: None.*

Introduces concepts and techniques related to the design, planning, control, and improvement of manufacturing and service operations. The course examines operations and the coordination of product development, process management, and supply chain management. Students are exposed to topics in the areas of process analysis, materials management, production scheduling, quality management, and product design.

BUS 88A, Independent Studies in Business **1 unit**

Transfer: CSU

Please see "Independent Studies" section.

BUS 88B, Independent Studies in Business **2 units**

Transfer: CSU

Please see "Independent Studies" section.

BUS 88C, Independent Studies in Business **3 units**

Transfer: CSU

Please see "Independent Studies" section.

BUS 90A, Business Internship **1 unit**

Transfer: CSU

- *Prerequisite: None.*

Students must arrange an approved internship prior to enrolling in this class. F-1 students must see the Immigration Coordinator at the International Education Center before enrolling.

The Internship Program is designed to provide the student with "real life" experience in a business environment. Students will work with a local company to apply academic business principles.

BUS 90B, Business Internship **2 units**

Transfer: CSU

- *Prerequisite: None.*

Students must arrange an approved internship prior to enrolling in this class. F-1 students must see the Immigration Coordinator at the International Education Center before enrolling.

The Internship Program is designed to provide the student with "real life" experience in a business environment. Students will work with a local company to apply academic business principles.

BUS 90C, Business Internship **3 units**

Transfer: CSU

- *Prerequisite: None.*

Students must arrange an approved internship prior to enrolling in this class. F-1 students must see the Immigration Coordinator at the International Education Center before enrolling.

The Internship Program is designed to provide the student with "real life" experience in a business environment. Students will work with a local company to apply academic business principles.

BUS 91A, Marketing Internship **1 unit**

Transfer: CSU

- *Prerequisite: None.*

Students must arrange an approved internship prior to enrolling in this class. F-1 students must see the Immigration Coordinator at the International Education Center before enrolling.

The Internship Program is designed to give students "real life" marketing experience by forming their own marketing promotions agency with the assistance of a local marketing promotions firm. Using a budget, students research, design, present, and execute a custom made, on-campus promotion. After the promotion, students do post-research to gauge effectiveness of the promotion. This program is unique in that students execute their own marketing ideas using real business practices.

BUS 91B, Marketing Internship **2 units**

Transfer: CSU

- *Prerequisite: None.*

Students must arrange an approved internship prior to enrolling in this class. F-1 students must see the Immigration Coordinator at the International Education Center before enrolling.

The Internship Program is designed to give students "real life" marketing experience by forming their own marketing promotions agency with the assistance of a local marketing promotions firm. Using a budget, students research, design, present, and execute a custom made, on-campus promotion. After the promotion, students do post-research to gauge effectiveness of the promotion. This program is unique in that students execute their own marketing ideas using real business practices.

BUS 95, International Business Internships **2 units**

Transfer: CSU

- *Prerequisite: None.*

Students must arrange an approved internship prior to enrolling in this class. F-1 students must see the Immigration Coordinator at IEC before enrolling.

The Internship Program is designed to provide the student with "real life" experience in an international business environment. Students will work with either a domestic or a foreign based company to apply academic business principles.

Chemistry

Students must be present at the first lab session of a chemistry course to be assured of admission to limited lab spaces.

Students who wish to enroll in a chemistry course must demonstrate that they have met the prerequisites for the course prior to enrollment. Continuing students must complete prerequisite courses with a C or better. If currently enrolled in a prerequisite course at SMC at the time of enrollment, students will be admitted to subsequent courses based upon midterm placement results, but will be dropped if the prerequisite course is not completed with a C or better. Students who have successfully completed one or more prerequisite courses (earning a grade of C- or better in both the lecture and lab courses and an average of C (2.0) or better overall) at another institution may be able to verify having met the prerequisites by submitting

CHEMISTRY COURSE SEQUENCE

General Education

Allied Health

Nursing, Respiratory Therapy,
and Others

Life Science, Physical Science, Engineering

Pre-Med, Pre-Dental, Pre-Pharm

Higher Level/STEM

Freshman Level/STEM

Preparatory Basics

Non-science major
Transfer to 4-year
Institution

Enter Nursing or other
Allied Health Program

When preceded by Chem 11 + 12, some combination of these courses can meet transfer requirements for Chemistry, Biochemistry or Chemical Engineering majors, and will serve as prerequisites for Medical, Dental, or Pharmacy School.

CHEMISTRY 31

Biochemistry I
with Laboratory

CHEM 22/24*

Organic Chemistry II
with Laboratory

*Lecture and lab
may be taken
separately

CHEMISTRY 21

Organic Chemistry I
with Laboratory

CHEMISTRY 12

General Chemistry II
Prerequisite: Math 2

Chem 11 and 12 meet
the requirements for
Physics Majors and most
Engineering majors

CHEMISTRY 11*

General Chemistry I
Prerequisite: Math 20

*Eligibility for Chem 11
Established by Placement
with CCDT or by HS
Chemistry AP Exam Score
of 3, 4, 5.

CHEMISTRY 9

Everyday Chemistry
with Laboratory

Best option for all non-science
majors seeking GE credit.

Elementary Algebra skills
are recommended.

CHEMISTRY 19

Fundamentals of General,
Organic, and Biological
Chemistry, with Laboratory
Prerequisite:
Math 31 or Math 49

Prerequisite:
Math 31 or Math 49

CHEMISTRY 10

Introductory General
Chemistry with Laboratory
Prerequisite:
Math 31 or Math 49

No credit given at transfer
institutions when followed
by Chem 11.

Course Descriptions

a transcript and course description and course syllabus for the prerequisite courses.

Some of the courses listed in this section are accompanied by Supplemental Instruction. Supplemental Instruction (SI) is an academic assistance program that utilizes free peer-assisted weekly study sessions to help students learn the most difficult course content. For more information, please see the SI website at www.smc.edu/si.

CHEM 9, Everyday Chemistry **5 units**

Transfer: UC*, CSU

IGETC AREA 5A (Physical Sciences + LAB)

This course satisfies the Santa Monica College Global Citizenship requirement.

This course fulfills the general education requirements for a laboratory science course. Students who successfully complete this course will understand basic chemical principles and how these principles relate to the Earth's natural systems and cycles, with emphasis on humanity's impact on Earth's natural environments. Students will gain a scientific understanding of the impact of human activity on natural systems and sustainability. Students will also learn common laboratory techniques, including the safe handling of chemicals and the proper use of laboratory equipment, as they analyze environmental problems and solutions.

Students enrolling in this course should have math skills equivalent to those entering Math 31. This course does not fulfill the prerequisite for Chemistry 11.

CHEM 10, Introductory General Chemistry **5 units**

Transfer: UC*, CSU

IGETC AREA 5A (Physical Sciences, + LAB)

- *Prerequisite: Math 31 or Math 49.*

**UC gives no credit for Chemistry 10 if taken after Chemistry 11. Maximum UC credit for Chemistry 9 and 10 combined is one course.*

Chemistry 10 is an introductory laboratory course. It introduces principles, laws, and nomenclature of inorganic chemistry and organic chemistry. Chemistry 10 prepares students to take the General Chemistry sequence (Chemistry 11 and Chemistry 12). It additionally serves as a basic chemistry course for the allied health majors (such as nursing and nutrition). It also serves to fulfill general education requirements. Students who successfully complete this course will understand basic chemical principles and will have practiced quantitative reasoning and problem solving skills. Students will also have learned various lab techniques, including the safe and competent handling of chemicals and laboratory equipment.

CHEM 11, General Chemistry I **5 units**

Transfer: UC, CSU

C-ID: CHEM 110.

IGETC AREA 5A (Physical Sciences, + LAB)

- *Prerequisite: Chemistry 10 and Math 20.*

Students seeking waiver of the Chemistry 10 prerequisite should take the Chemistry 10 Challenge Exam. Students taking Chemistry 11 and 12 must have access to the Internet to complete class assignments.

This course is the first semester of a two-semester, standard first year college chemistry course (Chemistry 11 and Chemistry 12). It introduces the fields of physical, analytical, inorganic, and organic chemistry. Topics to be discussed include atomic structure, chemical bonding, common types

of reactions, stoichiometry, thermochemistry, and the properties of gases, liquids, and solids.

CHEM 12, General Chemistry II **5 units**

Transfer: UC, CSU

IGETC AREA 5A (Physical Sciences, + LAB)

- *Prerequisite: Chemistry 11 and Math 2.*

Students taking Chemistry 11 and 12 must have access to the Internet to complete class assignments.

This course is a continuation of Chem 11. Topics covered include kinetics, equilibrium, acid-base chemistry, precipitation reactions, coordination chemistry, thermodynamics, and electrochemistry.

CHEM 19, Fundamentals of General, Organic, and Biological Chemistry **5 units**

Transfer: UC, CSU

IGETC AREA 5A (Physical Sciences, + LAB)

- *Prerequisite: Math 31 or Math 49.*

This one-semester course is designed for students preparing for studies in nursing or related allied health professions. Topics include measurements, unit conversions, atomic and molecular structure, chemical reactions and equations, gases, solutions and acid/base chemistry. There will be a special emphasis on properties and reactions of biologically relevant compounds.

This course is NOT equivalent to CHEM 10 and does NOT meet the prerequisite requirement for CHEM 11.

CHEM 21, Organic Chemistry I **5 units**

Transfer: UC, CSU

C-ID: CHEM 150.

IGETC AREA 5A (Physical Sciences, + LAB)

- *Prerequisite: Chemistry 12.*

This course is a systematic introduction to the chemistry of carbon compounds. It encompasses theory and reactions of hydrocarbons and functional group derivatives. Included are bonding and structure, nomenclature, stereochemistry, synthesis, mechanism, and spectroscopic analysis. The laboratory work focuses on techniques of synthesis, isolation, purification, and analysis.

CHEM 22, Organic Chemistry II **4 units**

Transfer: UC*, CSU

IGETC AREA 5A (Physical Sciences)

- *Prerequisite: Chemistry 21.*

**Maximum UC credit for Chemistry 22 and Chemistry 24 combined is 5 units.*

This course is a continuation of Chem 21, with emphasis on the remaining functional groups and types of reactions. Also included is an introduction to the organic chemistry of biochemical compounds. Chem 22 includes lecture and discussion. The second semester of organic chemistry laboratory is a separate course, Chem 24. Chem 21 and 22 constitute two semesters of organic chemistry with one semester of organic chemistry laboratory. Chem 21, 22, and 24 constitute two semesters of organic chemistry with two semesters of laboratory.

CHEM 24, Organic Chemistry II Laboratory **2 units**

Transfer: UC*, CSU

IGETC AREA 5A (Physical Sciences lab)

- *Prerequisite/Corequisite: Chemistry 22.*

**Maximum UC credit for Chemistry 22 and Chemistry 24 combined is 5 units.*

This course is the second semester of organic chemistry laboratory. The laboratory work involves microscale and miniscale synthesis, structure determination, investigation of reaction mechanism, and qualitative analysis. The lectures will discuss the theory and techniques that relate to the experiments that are performed, including NMR, IR, organic qualitative analysis, and various methods of analysis, separation, and purification of mixtures.

CHEM 31, Biochemistry I **5 units**

Transfer: UC, CSU

IGETC AREA 5A (Physical Sciences, + LAB)

- *Prerequisite: Chemistry 21.*
- *Skills Advisory: Chemistry 22.*

This course is a survey of biochemistry, introducing the student to the structures and functions of important classes of biochemical compounds as well as to the central reactions of metabolism. The main topics include the structure and function of proteins, carbohydrates and lipids; the catalysis, kinetics and regulation of enzymes; and the reactions of glycolysis, the citric acid cycle, electron transport/oxidative phosphorylation, and gluconeogenesis. The laboratory section of the course provides an introduction to biochemistry lab procedures including titration, peptide analysis, spectroscopy, spectrophotometry, column chromatography, gel-electrophoresis, the kinetic analysis of enzyme-catalyzed reactions, and internet based informatics tools.

CHEM 88A, Independent Studies in Chemistry 1 unit

Transfer: CSU

Please see "Independent Studies" section.

CHEM 88B, Independent Studies in Chemistry 2 units

Transfer: CSU

Please see "Independent Studies" section.

Chinese

Additional hours to be arranged in the Modern Language Lab for Elementary Chinese.

CHNESE 1, Elementary Chinese 1 **5 units**

Transfer: UC, CSU

IGETC Foreign Language (required for UC only)

- *Prerequisite: None.*

Using an audio-lingual approach, this course teaches pronunciation, vocabulary, and grammar fundamentals as essential elements in reading, writing, and understanding elementary Chinese. The course also covers necessary culture, customs, philosophy, and history which serve as keys to studying the Chinese language. Language lab is required.

CHNESE 2, Elementary Chinese 2 **5 units**

Transfer: UC, CSU

IGETC AREA 3B (Humanities), Foreign Language (required for UC only)

- *Prerequisite: Chinese 1*.*

This course is a continuation of Chinese 1, which covers elementary grammar. It provides students with further basic oral and writing skills while acquainting them with the language. It also includes the reading of simplified texts with emphasis on oral expression and further study of Chinese history and culture. Language lab is required.

This course is taught in Chinese except in cases of linguistic difficulty as determined by the professor.

**The prerequisite for this course is comparable to two years of high school Chinese.*

CHNESE 3, Intermediate Chinese 1 **5 units**

Transfer: UC, CSU

IGETC AREA 3 (Humanities)

- *Prerequisite: Chinese 2*.*
- *Advisory: Skill levels equivalent to those taught in Chinese 2.*

This course builds on language skills developed in Chinese 1 and 2. The course will complete and review basic grammar and key sentence patterns of Chinese, provide practice in the appropriate use of idiomatic expressions, and further develop skill in reading and writing Hanzi (Chinese characters). It will also build vocabulary, expand reading comprehension, and encourage more extensive conversation in Chinese. It will cover additional aspects about Chinese culture and history. This course is taught in Chinese except in cases of linguistic difficulty as determined by the professor.. **The prerequisite for this course is comparable to three years of high school Chinese.*

CHNESE 4, Intermediate Chinese 2 **5 units**

Transfer: UC, CSU

IGETC AREA 3B (Humanities), Foreign Language UC only

- *Prerequisite: Chinese 3 or equivalent.*

This course builds on language skills developed in Chinese 3. The course will review and expand on elementary Chinese grammar, provide practice in the appropriate use of set phrases and idioms, and further develop skills in reading and writing. It will enrich vocabulary, further develop reading comprehension, improve conversation and basic writing skills; and it will encompass aspects of Chinese culture and history. This course is taught in Chinese except in cases of linguistic difficulty as determined by the professor.

CHNESE 8, Conversational Chinese **2 units**

Transfer: UC, CSU

- *Prerequisite: Chinese 2 or equivalent skills.*

This course provides an opportunity to acquire better speaking skills in Chinese with the emphasis on natural, colloquial usage. New vocabulary and idiomatic phrases will be emphasized and the student will hold conversations in Chinese during each class meeting. The course is taught in Chinese except in cases of linguistic difficulty as determined by the professor.

CHNESE 9, Chinese Culture and Tradition **3 units**

Transfer: UC, CSU

IGETC AREA 3B (Arts and Humanities)

- *Prerequisite: None.*

This course encompasses the accomplishments of Chinese civilization. From pre-historical beginnings to the early twentieth century, the fundamentals of Chinese philosophy, religion, art, literature, and language are covered and provide an understanding and appreciation of the world's oldest continuing culture. The course is taught in English.

Cinema

Please see listing under "Film Studies."

Communication

Please see listing under “Media Studies.”

Communication Studies

Formerly “Speech.”

Also see courses listed under Media Studies, Film Studies and Journalism.

COM ST 9, Introduction to Communication Studies 3 units

Transfer: UC, CSU

IGETC AREA 4 (Social and Behavioral Sciences)

- *Prerequisite: None.*

This course is a survey of the discipline of communication studies that emphasizes the history, interest areas, major theories, and contemporary and emerging issues in the field. This course will specifically cover interpersonal, group, intercultural, mass and health communication in addition to an overview of public speaking.

COM ST 11, Elements of Public Speaking 3 units

Transfer: UC, CSU

C-ID: COMM 110.

IGETC AREA 1C (Oral Communication)

- *Prerequisite: None.*

Formerly Speech 1.

This is a course in public speaking for students learning to prepare and deliver platform speeches. Assignments include speeches of description, exposition, and persuasion. Techniques for controlling tension, building self-confidence, and effective listening are emphasized.

COM ST 12, Persuasion 3 units

Transfer: UC, CSU

C-ID: COMM 190.

IGETC AREA 1C (Oral Communication) or 3B (Humanities)

- *Advisory: Communication Studies 11.*

Formerly Speech 2.

This course focuses on the development of persuasion in rhetorical perspective, with an emphasis on balancing logic, emotion and credibility in public speaking. The history of classical rhetoric in Ancient Greece and Rome, as well as great speakers in American history, are emphasized.

COM ST 13, Voice and Diction 3 units

Transfer: CSU

- *Prerequisite: None.*

Formerly Speech 3.

This course focuses on improvement in voice and articulation. It features analysis of the student’s voice and articulation problems and offers specific strategies for improvement. Techniques in relaxation, breath control, articulation, vocal variety and pronunciation are emphasized. In addition, students learn skills in oral interpretation, public speaking, and transcription of the International Phonetic Alphabet.

COM ST 14, Oral Interpretation: Performing Literature Across Cultures 3 units

Transfer: CSU

C-ID: COMM 170.

- *Advisory: Communication Studies 11.*

Formerly Speech 4. This course satisfies the Santa Monica College Global Citizenship requirement.

This course focuses on the oral interpretation of poetry and prose, with a special emphasis on literature by and about cultural groups in the United States including African-Americans, Asian-Americans, European-Americans, Jewish-Americans, Latino/a-Americans, Arab-Americans, Indigenous peoples of the United States and others. Through the process of oral interpretation, students will analyze works of literature, discover a personal connection to the material, and share their emotional and intellectual creation—using voice and body—with an audience. By studying and performing multicultural literature, students will learn to appreciate the similarities and differences among cultures and how culture affects the author’s voice.

COM ST 16, Fundamentals of Small Group Discussion 3 units

Transfer: UC, CSU

C-ID: COMM 140.

IGETC AREA 1C (Oral Communication)

- *Skills Advisory: Eligibility for English 1.*

Formerly Speech 6.

This course focuses on the identification and analysis of processes and challenges of communication as affected by small group interactions. This course helps students develop competence and confidence as a group member and leader through a combination of theoretical and practical knowledge of small groups in everyday life. The course focuses on the principles of communication theory as they apply to the small group setting with an emphasis on practical application through study and practice in various group activities.

COM ST 21, Argumentation 3 units

Transfer: UC, CSU

C-ID: COMM 120.

IGETC AREA 1C (Oral Communication).

- *Prerequisite: None.*
- *Skills Advisory: Eligibility for English 1.*

Formerly Speech 11.

Principles of argumentative discourse applied to contemporary issues are studied in this course. An analysis of the relationship between evidence and the process of reasoning is included.

COM ST 22, Introduction to Competitive Speech and Debate 2 units

Transfer: CSU

- *Prerequisite: None.*

Formerly Speech 22.

This class provides the training, rehearsal, and performance practice to develop speech and debate skills necessary to participate on a competitive collegiate speech and debate team. Students will have the option to choose areas of interest and to compete on the SMC Speech and Debate Team.

COM ST 30, Introduction to Communication Theory 3 units

Transfer: UC, CSU

C-ID: COMM 180.

IGETC AREA 4 (Social and Behavioral Sciences)

- *Prerequisite:* None.
- *Skills Advisory:* Eligibility for English 1.

This course introduces the major theoretical approaches to, applications of, and issues in Communication Studies. Examining and analyzing theories from the various areas of the field, such as interpersonal, group, organizational, rhetorical, intercultural, mass, and health communication, students will apply communication theories and concepts to everyday communication phenomena.

COM ST 31, Research Methods for Communication Studies 3 units

Transfer: UC, CSU

IGETC Area 4G (Social and Behavioral Sciences)

- *Skills Advisory:* Eligibility for English 1.

This course introduces the tenets and methods of social science research in general, and communication research in particular. The course provides an overview of both quantitative and qualitative research methods. Particular attention is given to experimental design, survey research, content analysis, and field research. The goal of this course is to prepare students for reading empirical research reports as well as prepare them for upper division research.

COM ST 35, Interpersonal Communication 3 units

Transfer: UC, CSU

C-ID: COMM 130.

IGETC AREA 4 (Social and Behavioral Sciences)

- *Prerequisite:* None.

Formerly Speech 5.

Techniques for effective interpersonal communication are studied with emphasis on developing awareness of one's own actions and their impact on relationships. Verbal and nonverbal communication styles are analyzed and practiced in one-to-one and small group situations. Lecture, discussion, and class participation are utilized to demonstrate a variety of skills including listening conflict resolution, and the effective use of language in personal and professional interactions. In addition, exercises in body language, role playing, and self-disclosure and positive/negative thinking help students understand the power of the communication process.

COM ST 36, Gender and Communication 3 units

Transfer: UC, CSU

IGETC AREA 4 (Social and Behavioral Sciences)

- *Prerequisite:* None

Exploring the role, influence, effects, and significance of gender on our everyday communication interactions, this course critically analyzes issues of gender and communication by examining the theoretical perspectives used to explain gender phenomena, gender socialization, and male and female interactions and stereotypes. With an emphasis on improving communication skills, we will explore the relationship between gender and communication as it pertains to the nature of gender(s), the language of gender, and gender differences in verbal and nonverbal communication.

COM ST 37, Intercultural Communication 3 units

Transfer: UC, CSU

C-ID: COMM 150.

IGETC AREA 4 (Social and Behavioral Sciences)

- *Skills Advisory:* Eligibility for English 1.

Formerly Speech 7. This course satisfies Santa Monica College's Global Citizenship requirement.

This course focuses on the identification and analysis of processes and challenges of communication as affected by different cultures, especially as it affects communication among the various cultures found within the United States (e.g. African American, Asian American, Latino/a, Middle Eastern, Native American, European American and Gay/Lesbian cultures) and among the various cultures throughout the world. The course focuses on the principles of communication theory as they apply to the intercultural setting with an emphasis on the effects of differences in beliefs, values, attitudes, socio-political organization, role expectations, language and nonverbal behavior, etc.—all of which are interrelated.

COM ST 88B, Independent Studies in Debate 2 units

Transfer: CSU

Please see "Independent Studies" section.

Computer Applications

Keyboarding skills of 25 words per minute or enrollment in OFTECH 1A or 9 are recommended for computer applications classes.

CIS 1, Computer Concepts with Applications 3 units

Transfer: UC*, CSU

- *Prerequisite:* None.

**No UC credit for CIS 1 or 4 if taken after CS 3.*

This beginning course covers the broad use of personal computers. Topics include a description of microcomputer components, input and output devices, networking, and microprocessing concepts. Beginning word processing, spreadsheet, database, Internet, Windows, and programming concepts are introduced. Hands-on experience is provided in a microcomputer lab. Note: Programming, computer science or engineering students should enroll in Computer Science 3.

This course uses Microsoft Word 2013 and Windows 7.

CIS 4, Introduction to Computers, Business Applications 3 units

Transfer: UC*, CSU

- *Prerequisite:* None.

*This is not a beginning computing course. It is recommended that students take CIS 1 prior to CIS 4. Ability to keyboard 25 words per minute is recommended. *No UC credit for CIS 1 or 4 if taken after CS 3.*

This course covers the broad use of microcomputers in business. Designed to familiarize students with the Microsoft Office Suite, it includes the study of word processing using Word, spreadsheet software using Excel, database software using Access, and presentation software using PowerPoint, as well as Windows and integration concepts.

This course teaches Word 2013, Excel 2013, Access 2013, PowerPoint 2013, and Windows 7.

CIS 9A, Technology Project Management I 3 units

Transfer: CSU

- *Prerequisite:* CS 3 or CIS 1.

This course covers the fundamentals of Project Management theory, implementation, and best practices. It is aimed at students who work mostly in the Technology sectors cover-

ing software and website development, and other areas of computer science or information systems. Students will learn the theory, as well as the use of Project Management software to plan, track and manage project resources. Topics covered include project life cycles, tasks, schedules, resources, and costs.

CIS 9A is the same course as CS 9A. Credit may be earned for one, not both.

CIS 9B, Technology Project Management II 3 units

Transfer: CSU

- *Prerequisite: CIS 9A or CS 9A.*

This course covers advanced topics of Project Management theory and practice. Students will learn how to manage projects with changing tasks and schedules, and to adjust their resources and budgets. Also covered are leadership and communication skills. Students will complement the theory with case studies and the use of Project Management software.

CIS 9B is the same course as CS 9B. Credit may be earned for one, not both.

CIS 30, Microsoft Excel 3 units

Transfer: CSU

- *Prerequisite: CIS 4.*

This course includes a detailed study of business applications using Microsoft Excel spreadsheet package. Topics include the commands, formats, and functions of Excel with emphasis on its use as a problem solving and financial analysis tool. Students will also learn to create macros, customize toolbars and menus, and integrate Excel with other applications and the World Wide Web. Students will also have an introduction to writing Visual Basic code.

This course uses Microsoft Excel 2013 Professional.

CIS 32, Microsoft Access 3 units

Transfer: CSU

- *Prerequisite: CIS 4.*

This course presents an introduction to relational database management systems using Microsoft Access. It is designed to familiarize the student with Microsoft Access and its application in the business world. Topics include: designing, maintaining and querying a database; creating forms, reports, and macros; and an introduction to writing Visual Basic code.

This course uses Microsoft Access 2013.

CIS 34, Advanced Excel with Visual Basic for Applications 3 units

Transfer: CSU

- *Prerequisite: CIS 30.*

This course provides Excel users with the knowledge, skills and techniques needed to write macros using Visual Basic for Applications (VBA) within the Excel environment. The course helps users to automate repetitive tasks, customize Excel menus, buttons and screens, and create user friendly interface for input and output. The course covers basic programming techniques used in Visual Basic and VBA.

This course uses Microsoft Excel 2010.

CIS 35, QuickBooks 3 units

Transfer: CSU

- *Prerequisite: CIS 1 or 4 and Accounting 1 or 21. Formerly same course as Accounting 35.*

This course provides the student with a realistic approach to computerized, integrated accounting principles using QuickBooks software package. Students will work with the various components of an accounting system in an ongoing business, as well as set up an accounting system for a new company. Topics include the creation of a QuickBooks company, and the analysis of financial statements, reports and graphs. Students will gain experience in the creation and use of invoices, purchase orders, inventory, bank accounts, and payroll. In addition, students will be able to complete the entire accounting cycle including recording adjusting entries and making corrections on the transactions as needed. Hands-on experience is provided in a microcomputer lab.

This course uses Quickbooks Accountant 2015.

CIS 36C, Spreadsheet – Short Course 1 unit

Transfer: CSU

- *Prerequisite: None.*

This short introductory course in Excel spreadsheet software acquaints the student with basic features of the software including creating, editing, formatting, and printing of electronic worksheets. It is offered as a brief overview of the software.

CIS 36F, Introduction to Windows – Short Course 1 unit

Transfer: CSU

- *Prerequisite: None.*

This hands-on course covers the basic to intermediate features of the Microsoft Windows operating system—from personalizing your Windows environment to finding files and data. Students will learn how to organize files and search for information using Windows Explorer.

This course uses Windows 7.

CIS 36G, Introduction to Internet – Short Course 1 unit

Transfer: CSU

- *Prerequisite: None.*
- *Skills Advisory: Working knowledge of Windows.*

This hands-on course on the Internet provides students with the opportunity to learn basic and advanced features of the Internet. Topics include browsing, navigating, proper use of Favorites, effective searching for information, creating web pages and using e-mail. Students will learn about the development of the Internet, proper netiquette and social and ethical issues. Additional topics include finding and downloading graphics, freeware and shareware programs from the Internet.

CIS 36I, Microsoft Access – Short Course 1 unit

Transfer: CSU

- *Prerequisite: None.*
- *Skills Advisory: Working knowledge of Windows.*

This short introductory course in Access software acquaints the student with basic features of the software, including creating, retrieving, and printing electronic databases. It is offered as a brief overview of the software.

CIS 36J, Word Processing – Short Course 1 unit

Transfer: CSU

- *Prerequisite: None.*
- *Skills Advisory: Working knowledge of Windows.*

This short introductory course in word processing (Microsoft Word) acquaints the student with basic features of the software including creating, revising, storing, and printing documents. It is offered as a brief overview of the software.

CIS 36P, Microsoft PowerPoint – Short Course 1 unit

Transfer: CSU

- *Prerequisite: None.*
- *Skills Advisory: Working knowledge of Windows.*

This hands-on short course on presentation software teaches the use of Microsoft PowerPoint for business applications. Presentations, handouts, and speaker notes are designed, created, and formatted, using PowerPoint. Students will use graphics, templates, and objects to enhance presentations. Hands-on experience is provided in a microcomputer lab.

This course uses Microsoft PowerPoint 2010.

CIS 36R, Microsoft Publisher – Short Course 1 unit

Transfer: CSU

- *Prerequisite: None.*

This course introduces students to Microsoft Office Publisher, a popular desktop publishing software program. Students learn to create a wide variety of marketing and communication publications for desktop and commercial printing, e-mail distribution, and viewing on the Web. Publications include catalogues, brochures, newsletters, flyers, invitations, menus, certificates, labels, and web pages.

CIS 36T, Introduction to Turbo Tax – Short Course 1 unit

Transfer: CSU

- *Prerequisite: Accounting 15 or prior tax preparation experience.*

This course will teach students how to prepare Federal income tax returns and California individual income tax returns using Turbo Tax software.

CIS 37, Microsoft Word 3 units

Transfer: CSU

- *Prerequisite: CIS 1.*
- *Skills Advisory: Ability to type 25 wpm.*

Through the use of Microsoft Word software, skills are developed in creating, revising, formatting, storing, and printing a variety of business documents. Skills are developed from basic functions and editing tools through intermediate features such as AutoText, columns, custom tab settings, charts and graphs, graphics, envelopes, labels, and headers/footers. Emphasis is placed on professional quality production of documents. Students also learn to increase productivity through the use of automated features and multiple windows. Students develop problem-solving skills through the use of document revisions and trouble-shooting assignments. Additionally, students develop advanced skills in areas of interest ranging from legal applications to brochures and newsletters.

CIS 38, Microsoft PowerPoint 3 units

Transfer: CSU

- *Prerequisite: CIS 1.*

Through the use of PowerPoint software, skills are developed in planning, creating, formatting, enhancing and delivering presentations for business applications. Topics include audience analysis, selection of presentation media, and the creation and presentation of slides, transparen-

cies, and posters. The use of animation, sound and other special effects, as well as Web publishing techniques, will be covered.

This course uses Microsoft PowerPoint 2013.

CIS 39, MS Outlook – Comprehensive Course 3 units

Transfer: CSU

- *Prerequisite: CIS 1.*

Microsoft Outlook has become a primary means of office communication and task management. In this course the student will learn to effectively use all features of Outlook e-mail, calendar, contacts, tasks, and notes; create and manage Outlook folders; collaborate with others for scheduling meetings and resources; configure and customize Outlook; integrate Outlook with Microsoft Word Mail Merge and Collaboration features; and convert e-mail attachments to Adobe Acrobat format.

CIS 40, InDesign 3 units

Transfer: CSU

- *Prerequisite: CIS 4.*
- *Skills Advisory: English 1 or Business 31.*

Desktop publishers design and produce everything from newsletters and brochures to books and magazines for their clients and employers. In this class, students will develop the skills to integrate text and graphics to design high-quality business publication documents and layouts. Students will create and edit graphics, scan text and images and prepare projects for print or for the Web. This class covers the objectives necessary for the Adobe InDesign certification.

This course uses Adobe InDesign CC.

CIS 50, Internet, HTML, and Web Design 3 units

Transfer: CSU

- *Prerequisite: CIS 1.*

This hands-on course provides all the skills necessary to navigate, create and manage content on the World Wide Web. Students will become familiar with the Internet and its underlying technology and security. The course also covers the principles of Web page design, the use of graphics and other media files, and the creation of linked documents. Students will use both HTML and a Web authoring program to create and edit Web pages and will have the opportunity to put their Web sites online by publishing to a Web server.

CIS 51, HTML5, CSS3, and Accessibility 3 units

Transfer: CSU

- *Prerequisite: CIS 50.*
- *Skills Advisory: Students should have a working knowledge of Windows.*

HTML5 is the next generation HTML. This hands-on course will explore the differences between HTML5 and XHTML, validating pages to current Web standards and using Cascading Style Sheets (CSS) exclusively to control the look and feel of a site. Students will create and enhance Web pages with links, graphics, tables, and forms. Proper use of HTML5 and CSS3 can provide true separation of content, structure, and presentation in Web pages, making them structurally sound, easier to maintain, and more consistent with legal requirements for accessibility.

CIS 54, Web Development and Scripting 3 units

Transfer: CSU

- *Prerequisite:* CIS 51 or CIS 59A or Graphic Design 66.

This hands-on course introduces students to Web development using the newest features in client-side markup languages to create modern day visual front-ends. Following responsive Web design practices, students will learn how to make front-ends dynamically react to the user by using features such as floating windows, animations, carousels and sliders, nifty widgets, drop down menus, parallax scroll effects, single page applications and simple games. Students will also learn various client-side techniques for working with data, form data validation, and data collection using Web services, XML, and AJAX to process user input such as product orders. Technologies included in instruction are the current versions of HTML, CSS, JavaScript, JQuery, XML, JSON, and AJAX.

CIS 55, Advanced WebPage Development and Scripting 3 units

Transfer: CSU

- *Prerequisite:* CIS 54.

This course is for web designers who want to expand their knowledge of creating script-based Web pages. Students will learn the more advanced techniques used in today's websites. This course assumes a good foundational knowledge of HTML 4, JavaScript and a server-side scripting language such as ASP, PHP, CFM, or ASP.NET. Students will learn how to extend JavaScript to create interactive, dynamic Web pages using Dynamic HTML, incorporate cookies, hidden fields, create animations, write search functions, and interface with databases. MySQL or Microsoft Access will be used to create data driven applications, such as a shopping cart, or a mailing list. At the completion of this course, students will be proficient in designing and developing interactive Web sites.

CIS 56, Web Media Production 3 units

Transfer: CSU

- *Prerequisite:* CIS 59A and CIS 60A.

Web media is a woven combination of text, graphics, sound, animation, and video elements. The course is designed to provide students who are familiar with creating Web experiences, the skills to add the dimensions of time, sound, motion, and interactivity to their experience designs, including Internet and mobile technologies, via a variety of authoring tools. Through lectures, demonstrations, and projects, students will complete solid portfolio Web experiences.

CIS 57, Website Planning and Production 3 units

Transfer: CSU

- *Prerequisite:* CIS 51 or CIS 59A.

This course provides the knowledge, skills, and hands-on experience needed to deliver successful commercial websites. Students will learn the many pitfalls of website planning and production and how to overcome them. This includes understanding what is wanted, and learning how to create the website in a speedy and efficient manner. Students will learn how to manage the project and the client, and perfect techniques in design. Learning how to design for the intended audience, obtain content, select a proper navigation, incorporate various media (graphics, database, animations, etc.), deploy and maintain the web-

site are the key elements covered. This is a hands-on course and the students will utilize newly learned skills to build a website for a client which can be added to their portfolio.

CIS 58, Designing Accessible Websites 3 units

Transfer: CSU

- *Prerequisite:* CIS 51.

Web accessibility benefits everyone—those with and those without disabilities, through increased usability and interoperability of Web-based materials. The law requires government Web sites to be accessible, and several states have adopted the standards (California included). The requirement will expand exponentially as the law continues to be defined. This class will prepare the developer to deliver legal and accessible Web sites. Topics will include Section 508 guidelines, assistive technologies, and universal design principles. This class is structured to allow learners to explore the area of Web accessibility using a hands-on, project-based approach.

CIS 59A, Dreamweaver I 3 units

Transfer: CSU

- *Prerequisite:* CIS 50.

This is an introductory course in learning Web page design with Dreamweaver. Students will learn techniques for designing Web pages and expand their knowledge of HTML, Dynamic HTML, and JavaScript. Students will learn to integrate images, sound, and other multimedia using Dreamweaver. This course covers Web site creation and management features including Web file management, navigation bars, formatting text styles, Cascading Style Sheets, and content management. Upon completing this course, students will be ready to plan, build, upload, and maintain a professional Web site.

This course uses Adobe Dreamweaver CC.

CIS 59B, Dreamweaver II 3 units

Transfer: CSU

- *Prerequisite:* CIS 59A.

This course examines advanced Web development techniques and concepts utilizing the Dreamweaver toolset. Topics covered include site architecture, Web project management, integration with dynamic Web development tools, code management and site enhancements. Students will learn to enhance the development of Dreamweaver Web pages utilizing server-side includes, dynamic XHTML & XML, and intelligent use of graphics and color schemes. Additional topics will include the CSS toolset, site management utilizing cascading templates & libraries, including cutting edge technologies (RSS, podcasting), and dynamic content design with XML tools. Dreamweaver extension manager and use of extensions will also be covered.

This course uses Adobe Dreamweaver CC.

CIS 60A, Photoshop I 3 units

Transfer: CSU

- *Prerequisite:* CIS 1.

This course is for the non-design student interested in learning Photoshop using Personal Computers (PCs). Students will learn image creation and editing using Adobe Photoshop. Students learn to create, repair and modify images, scan photos, plan composite images and create special effects for use in a variety of applications.

This course uses Adobe Photoshop CC.

CIS 60B, Photoshop II**3 units**

Transfer: CSU

- *Prerequisite:* CIS 60A.

This course is for non-design students who are experienced Photoshop users interested in learning the advanced techniques and new features in Photoshop using personal computers (PCs). Students will learn to apply advanced image creation and editing techniques using real-world assignments. Students will be able to create and modify images and photographs; create text using different filters and colors adjustments tools; create special effect by applying production tricks and techniques to Photoshop documents; create various components for the WEB as well as a variety of other applications.

This course uses Adobe Photoshop CC.

CIS 61, Fireworks**3 units**

Transfer: CSU

- *Prerequisite:* CIS 50.

This hands-on course provides in-depth coverage of Fireworks features. Students will learn to create and understand graphics projects, Web Vector Objects. Topics include working with Web page objects using Vector Tools, importing, modifying and creating graphics, skinning Flex components, building Web and RIA prototypes, and extending Fireworks. Students will learn how to modify pixels on a Bitmap and manipulate images. This course covers masks, color, interactivity, creating animation, and creating sophisticated Web page navigation. Upon completion of this course, students will be ready to plan, build, modify, and optimize graphics designed for Web and AIR deployment.

CIS 62A, Flash I**3 units**

Transfer: CSU

- *Prerequisite:* CIS 50.

In this course students who are not design majors will learn to use Flash. Topics will include the creation of graphic elements using Flash's unique drawing tools, turning graphic elements into animation, and introduction to ActionScripting techniques for the creation of interactive movies.

CIS 62B, Flash II**3 units**

Transfer: CSU

- *Prerequisite:* CIS 62A.

In this course, students who are non-design majors will learn to take their Flash skills to the next level by taking advantage of its scripting language, ActionScript, which offers a more robust programming model and better object-oriented programming support. Topics will include learning how ActionScript can control graphic, sounds, and text. To create user-interface elements, and learn how Flash communicates with outside applications such as Web browsers.

CIS 64, Illustrator**3 units**

Transfer: CSU

- *Prerequisite:* CIS 60A.

This course is for the non-design students interested in learning Adobe Illustrator using Personal Computers for Windows. Students will develop the skills and use a variety of tools to create sophisticated illustrations, logos, advertisements, and other business media graphics for the Web.

This class covers the objectives necessary for the Adobe Illustrator certification.

This course uses Adobe Illustrator CC.

CIS 65, Flash Catalyst**3 units**

Transfer: CSU

- *Prerequisite:* CIS 51 and one of the following-- CIS 60A, CIS 64, or CIS 61.

This hands-on course provides students with the skills to create expressive interfaces using Adobe Flash Catalyst. Students will learn how to convert static artwork into interactive components, such as sliders, scroll panels, buttons, and input boxes. They will graphically edit and create animated transitions between pages or states of components. Other learning objectives include rapid prototyping, testing interactivity, choreographing motion, creating accessible SWF files, blending objects, creating widgets, and handling dynamic data, touch screen and mouse events.

CIS 67, WordPress**3 units**

Transfer: CSU

- *Prerequisite:* CIS 54 and CIS 60A.

WordPress is the world's most popular Content Management System (CMS) platform, powering personal blogs, some of the largest community/society websites, eCommerce web stores and fan sites built with cutting edge technology. This course provides students with the knowledge, skills, and hands-on experience to create, enhance, and maintain a successful WordPress site. Students learn the necessary skills to install WordPress, design, and build a WordPress website, create and sustain a blog, populate the site with content aggregation, and build a content management system. Students will be able to edit the site, integrate analytics, optimize for Search Engine Optimization (SEO), and build for multiple contributors. The design and integration of WordPress themes, widgets, and plugins will be emphasized.

CIS 70, Social Media Applications**3 units**

Transfer: CSU

- *Prerequisite:* CIS 50 or Graphic Design 65.

Social media provides an avenue for individuals and business of all sizes to reach global audiences. Armed with the skills to build podcasts, video galleries, photo streams, Facebook pages, content management systems, and to post information with blogs, wikis, micro-blogging, and RSS feeds one person has the ability to share a multifaceted message with millions worldwide. This course will provide the knowledge and skills to integrate all of the pieces, strategies and tactics with the tools of the social web to create a successful online community that includes interactivity, sharing, and collaboration.

CIS 88A, Independent Studies in CIS**1 unit**

Transfer: CSU

Please see "Independent Studies" section.

CIS 88B, Independent Studies in CIS**2 units**

Transfer: CSU

Please see "Independent Studies" section.

CIS 88C, Independent Studies in CIS 3 units

Transfer: CSU

CIS 90A, Internship in Computer Applications 1 unit

Transfer: CSU

- *Prerequisite: None.*

Students must arrange an approved internship prior to enrolling in this class. F-1 students must see the Immigration Coordinator at the International Education Center before enrolling.

The Internship Program is designed to provide the student with the opportunity of on-site work experience in a computer lab. Students spend time weekly in a supervised computer facility.

CIS 90B, Internship in Computer Applications 2 units

Transfer: CSU

- *Prerequisite: None.*

Students must arrange an approved internship prior to enrolling in this class. F-1 students must see the Immigration Coordinator at the International Education Center before enrolling.

The Internship Program is designed to provide the student with the opportunity of on-site work experience in a computer lab. Students spend time weekly in a supervised computer facility.

Computer Science

Keyboarding skills of 25 words per minute or enrollment in OFTECH 1A or 9A are recommended for computer programming classes.

CS 3, Introduction to Computer Systems 3 units

Transfer: UC*, CSU

- *Prerequisite: None.*

*No UC credit for CIS 1 or 4 if taken after CS 3.

This is a beginning course intended for students who plan to take additional computer programming or computer science courses. Emphasis in the course is divided between a broad survey of the field of computer information systems and the acquisition of computer skills necessary for more advanced classes. Such skills would involve use of the operating system, file management techniques, use of an editor, and an introduction to programming.

CS 5, Programming Logic 3 units

Transfer: CSU

- *Prerequisite: None.*

This course is designed to prepare the student for a programming course. It concentrates on problem solving using: Simple Sequence, Selection, Downtime, Case, and Downtime Control Structure. It covers Structure chart, Flowchart and Pseudocode.

CS 6, Virtual Worlds and Game Programming 3 units

Transfer: CSU

- *Prerequisite: CS 3.*

Using Alice, an authoring tool, students will build interactive, animated 3-D virtual worlds. Virtual worlds are interactive, simulated environments that accept human input and provide output in the form of images, sounds, and forces. The software students create will enable them to move around in the virtual world and see it from different

angles. Students will create interactive “virtual worlds,” games and simulations that can be viewed in a web page. By building these virtual worlds, students will learn the basics of Object-Oriented programming and basic programming logic.

CS 8, Systems Analysis and Design 3 units

Transfer: UC, CSU

- *Prerequisite: Any computer programming course.*

This advanced course requires students to be proficient in programming. Students with little programming experience are encouraged to take additional programming courses before enrolling in this course.

In this course students learn how to design a software system from data collection, analysis and design to final output including forms, flowcharts, and documentation. It covers the tools and techniques used in analysis, design, and project management, such as the preparation of systems specifications, detail system designs, Gantt charts, and data-flow diagrams. In this course students develop a complete system; however this course does not cover any programming concepts.

CS 9A, Technology Project Management I 3 units

Transfer: CSU

- *Prerequisite: CS 3 or CIS 1.*

This course covers the fundamentals of Project Management theory, implementation, and best practices. It is aimed at students who work mostly in the Technology sectors covering software and website development, and other areas of computer science or information systems. Students will learn the theory, as well as the use of Project Management software to plan, track and manage project resources. Topics covered include project life cycles, tasks, schedules, resources, and costs.

CS 9A is the same course as CIS 9A. Credit may be earned for one, not both.

CS 9B, Technology Project Management II 3 units

Transfer: CSU

- *Prerequisite: CS 9A or CIS 9A.*

This course covers advanced topics of Project Management theory and practice. Students will learn how to manage projects with changing tasks and schedules, and to adjust their resources and budgets. Also covered are leadership and communication skills. Students will complement the theory with case studies and the use of Project Management software.

CS 9B is the same course as CIS 9B. Credit may be earned for one, not both.

CS 15, Visual Basic Programming 3 units

Transfer: UC, CSU

- *Prerequisite: CS 3.*

This introductory course covers basic programming constructs and techniques using VB.Net. Students will learn how to plan, create and debug code based on Object Oriented Programming design and analysis techniques. Topics covered include Data Types, Variables, Decision Statements, Loops, Arrays Input/Output, and basics of Object Oriented Programming using Classes and Objects. VB .NET compiler software is included in course material. This course helps students pass Microsoft Certification Exams.

CS 17, Assembly Language Programming 3 units

Transfer: UC, CSU

- *Prerequisite: CS 50.*

Assembly Language allows the programmer to fully utilize all of the special features of the computer in the most efficient manner. It also aids the high-level language programmer in writing subroutines. The student will write Assembly Language programs that utilize the Intel Pentium chip architecture.

Students must have access to a Pentium-chip compatible computer system. Software included in course material.

CS 18, Advanced Assembly Language Programming 3 units

Transfer: UC, CSU

- *Prerequisite: CS 17.*

This course is a continuation of Assembly Language Programming. The student will write complex assembly programs utilizing the full range of the computer's features. Problem solving through planning coding, testing, and debugging will be emphasized.

Students must have access to a Pentium-chip compatible computer system. Software included in course material.

CS 19, Advanced Visual Basic Programming 3 units

Transfer: UC, CSU

- *Prerequisite: CS 15.*

This course covers advanced programming techniques using Visual Basic .NET. Topics include Structures, Classes, Events, Inheritance, and Polymorphism, Overloading, Dynamic Binding, Multiple Document Interface, Windows API, Collections, and Exception Handling. Students also learn how to interface to Databases and build Web forms. *VB. NET compiler software is included in course material. This course helps students pass Microsoft Certification Exams.*

CS 20A, Data Structures with C++ 3 units

Transfer: UC, CSU

- *Prerequisite: CS 52.*

This advanced programming course will use the C++ language to teach methods of representing and manipulating data within a computer. Topics include stacks, queues, trees, sorting, searching, modeling, and dynamically created storage spaces. Students will learn the problem solving skills necessary to write complex computer programs and to make important software design and maintainability decisions.

Software included in course material.

CS 20B, Data Structures with Java 3 units

Transfer: UC, CSU

- *Prerequisite: CS 56.*

This course is an introduction into the study of computer algorithms and data structures. This advanced programming course will use the Java language to teach methods of representing and manipulating data within a computer. Topics include stacks, queues, trees, sorting, searching, modeling, and dynamically created storage spaces. Students will learn the problem solving skills necessary to write complex computer programs and to make important software design and maintainability decisions.

CS 22, Introduction to Mobile Robots 3 units

Transfer: CSU

- *Prerequisite: CS 3.*

This course describes the hardware, software, and operation of mobile robots that interact with changing environments. Hardware includes computers and other controllers, motors and artificial muscles, arms, grippers, ultrasonic sensors, whiskers, and cameras. Using a graphical interface on a PC, students will learn to program and operate a robot that can recognize objects and speech, talk back, and navigate around a cluttered room.

CS 25, Embedded Systems 3 units

Transfer: CSU

- *Prerequisite: CS 3.*

This is an introductory course on embedded systems design- the use of computers in devices (cell phones, cars, wrist watches, home security systems, etc.) rather than as stand-alone units. Students are directed to design solutions for real world applications using hardware and software. We will discuss the characteristics that define an embedded system and contrast those against that of a stand-alone computer. Students will also look at a variety of applications utilizing embedded processors (microcontrollers). Finally, students will write programs that interact directly with external hardware utilizing a Stamp microprocessor development board.

CS 30, MATLAB Programming 3 units

Transfer: UC, CSU

- *Prerequisite: Math 7.*

MATLAB is a scientific computing tool for data modeling and analysis, image processing, and other data intensive applications. This class is designed for science major students. It covers the basics of programming using MATLAB and uses numerical methods as an application to help students learn how to accelerate simple and complex numerical data modeling and analyses.

CS 32, Database Programming in Visual Basic.Net 3 units

Transfer: UC, CSU

- *Prerequisite: CS 15.*

VB.Net is an object-oriented programming language that is part of the .Net Microsoft suite. It provides a graphical programming environment used to create applications for Microsoft Windows and the Web. This course covers advanced concepts for VB .NET that relate to interfaces to databases. Topics include Object Oriented Programming, database interfaces programming, SQL query language, using LINQ and EM, and applying security measures in connections.

VB .NET compiler software is included in course material.

CS 33, C # Programming 3 units

Transfer: UC, CSU

- *Prerequisite: CS 19 or CS 50.*

C # (read as C-Sharp) is a modern object-oriented language that enables programmers to quickly build solutions for the Microsoft.NET platform. In this class, programmers will learn to build C# components for use by Web and Windows-based applications. Students will generate MSIL (Microsoft Intermediate Language) code and PE (Portable Executable)

files that utilize the services of the CLR (Common Language Runtime) which are all part of the Microsoft.NET platform. *Software included in course material. This course helps students in passing Microsoft Certification Exams.*

CS 36, Fortran Programming 3 units

Transfer: UC, CSU

- *Advisory: CS 3.*

FORTRAN is a high level language used predominantly in mathematical and scientific applications. Upon completion of CS 36, students will understand the syntax and semantics of FORTRAN, be able to apply the fundamental principles of top down algorithmic design (using pseudocode and flowcharts) to the solution of computer problems, and know how to code, test, and debug programs in this language.

CS 37, Web Programming in VB .Net 3 units

Transfer: UC, CSU

- *Prerequisite: CS 15.*

VB.Net is an object-oriented programming language that is part of the .Net Microsoft suite. This course covers web application development, including the use of ASP and VB .NET. Topics include ASP .NET, Web forms and controls, web data access, state management, web services, using AJAX and security measures implementation.

CS 40, Operating Systems 3 units

Transfer: UC, CSU

- *Prerequisite: CS 17.*
- *Advisory: CS 3 and one programming course.*

This course provides a functional understanding of operating systems. Topics include memory and process management under multiprogramming, devices and file systems, and user interfaces. Foundation concepts reviewed at the outset include hardware architecture, CPU instruction sets and machine language, number systems, and data structures. UNIX is used to demonstrate concepts, commands, and programming languages.

CS 41, Linux Network Administration 3 units

Transfer: CSU

- *Prerequisite: CS 50.*

This is a foundation course in the Linux operating system. Booting a Linux machine is dissected, from BIOS firmware to authenticated user shell. Use of shell commands, editors, programming tools, and GUIs are emphasized. Students learn to write shell script programs and install applications using the open source software distribution model. Unix process creation is detailed and a 20-line tutorial shell is developed. Local administration tasks are covered, including user account management, backup, task scheduling, logging, and clock time synchronization. As time allows recompilation of the kernel from source code will be performed.

CS 42, Computer Architecture 3 units

Transfer: UC, CSU

- *Prerequisite: Math 20.*

This course provides an introduction to fundamental operations and components that make computers possible. Topics include: number systems; Boolean algebra and logic gates (AND, OR, NOT, XOR, and NAND); simplification of Boolean functions; combination logic; sequential logic; design of the adder, subtractor, ROM, decoder, and multi-

plexer; register transfer logic; and processor logic, control logic, and microcomputer system design.

CS 43, Windows Network Administration 3 units

Transfer: CSU

- *Prerequisite: CS 70.*

This course provides students with the knowledge necessary to understand and identify the tasks involved in supporting Microsoft Windows Networking Operating Systems. It covers topics such as installing and configuring Windows Servers to create File, Print, Web, and Terminal servers, and manage and support a network infrastructure that uses the Microsoft Windows Server products. The course also focuses on Windows Active Directory services, implementing Group Policy and performing the Group Policy related tasks that are required to centrally manage users and computers.

CS 50, C Programming 3 units

Transfer: UC, CSU

- *Prerequisite: CS 3.*

This course will include a review of the concepts of structured programming, error checking, sorting, searching, data types, advanced array handling methods, pointers, and data structures. Applications in business, mathematics, and science will be discussed.

CS 51, Visual C++ Programming 3 units

Transfer: UC, CSU

- *Prerequisite: CS 52.*

C++ handles large programs by packaging sections of interrelated code into discrete, independent parts named objects. Visual C++ adds the Microsoft Foundation Class library making it a powerful Windows programming tool. This course will cover Dynamic Link Libraries, advanced view handling, customizing status bars, operator overloading OLE containers and servers, the Microsoft Foundation class library, serialization, windows timers, graphics, meta-files, multiview programs, graphics display controls, and screen capture.

Software included in course material.

CS 52, C++ Programming 3 units

Transfer: UC, CSU

- *Prerequisite: CS 50.*

This course is a continuation of C language programming using the C++ superset of C. C++ offers the following enhancements to C: operator and function overloading, information hiding, inheritance, and virtual functions. C++ will be used in the context of both traditional and object-oriented programming.

Software included in course material.

CS 53A, iOS Development with Objective-C 3 units

Transfer: CSU

- *Prerequisite: CS 50.*

Objective-C is an object-oriented language designed for iOS, Apple's advanced mobile platform. In this course, students will learn the syntax and semantics of Objective-C, be able to apply fundamental principles of top-down algorithmic design to solve computer problems, and learn how to code, test and debug programs in this language using the XCode, the Apple integrated development environment. *Students will need access to Intel-based Mac computers but do not need to have a mobile device such as an iPad*

or iPhone. Students will be provided XCode to download, if needed.

CS 53B, iOS Mobile App Development 3 units

Transfer: CSU

- *Prerequisite:* CS 53A.

This course teaches how to design, develop, test and debug applications that run on Apple iOS, a software stack for Apple mobile devices that includes an operating system, middleware and key applications. Topics include the Cocoa Multi-Touch programming framework, the Model-View-Controller design paradigm, application structure, strings, graphics, user interfaces and storage.

Students will need access to Intel-based Mac computers, but do not need to have a mobile device such as an iPad or iPhone. Students will be provided XCode to download, if needed.

CS 53C, iOS Advanced Mobile App Development 3 units

Transfer: CSU

- *Prerequisite:* CS 53B.

This course teaches advanced features of the Apple iOS, a software stack for Apple mobile devices that includes an operating system, middleware and key applications. This course is a continuation of CS 53B. Topics include the WebKit which allows mobile applications to access the Internet, the Core Data modeling framework and SQLite relational database, the Core Location framework and maps, Address Book access and the Camera and Photo Library.

Students will need access to Intel-based Mac computers, but do not need to have a mobile device such as an iPad or iPhone. Students will be provided XCode to download, if needed.

CS 54, Object-Oriented Analysis and Design 3 units

Transfer: UC, CSU

- *Prerequisite:* CS 19 or 52 or 55.

This course covers the major object-oriented modeling methodologies: UML, OMT and BOOCH. The course explores the use of these methodologies in the context of designing and implementing object-oriented software application.

Software included in course material.

CS 55, Java Programming 3 units

Transfer: UC, CSU

- *Prerequisite:* CS 19 or 50.

Java is a general-purpose language for writing platform-independent, robust, secure programs. This course is intended for students who have completed a course in C programming. Students will learn how to develop Java applications and applets. Topics covered include the Java programming language, object-oriented programming (OOP), the Java applications programming interface (API), and graphical user interfaces (GUI's).

CS 56, Advanced Java Programming 3 units

Transfer: UC, CSU

- *Prerequisite:* CS 55.

Java is a general-purpose language for writing platform-independent robust, secure programs. This course continues where CS 55 leaves off in developing mastery of the use of Java programming language and its extensive APIs.

Topics covered include exceptions, multithreading, multimedia, Input/Output, Java Database Connectivity (JDBC), Servlets, Remote Method Invocation (RMI), and networking.

CS 60, Database Concepts and Applications 3 units

Transfer: CSU

- *Prerequisite:* CS 3 and one programming course.

This course introduces modern database concepts while emphasizing the relational database model. Topics include design methodologies, normalization of tables to reduce redundancies, supertypes and subtypes to reduce nulls, data integrity, referential integrity, and using locks and other techniques for concurrency control in a multi-user database. Factors that should be balanced during the design of a database are described. To document databases, entity relationship diagrams, relational schemas, and data dictionaries are described. Principles are applied by performing exercises using MySQL or other database management system. SQL and other languages are used to create and fill tables, retrieve data, and manipulate it by stored programs.

CS 61, Microsoft SQL Server Database 3 units

Transfer: CSU

- *Prerequisite:* CS 3.

Microsoft SQL Server is a popular midrange relational database management system (DBMS) that is used in client/server systems and as a personal DBMS. It can be accessed through the Internet. Topics covered in this course include installing the software, principles of relational databases; creating databases, tables, indexes, and views; inserting, deleting, and updating raw data; updating transactions; and querying the database. With the Transact-SQL extensions, topics include creating functions, procedures, and triggers stored in the database.

CS 65, Oracle Programming 3 units

Transfer: CSU

- *Prerequisite:* CS 3 and one programming class.

This course is a practical, hands-on overview of the Oracle Database Management System to store, retrieve, and manipulate data. Oracle is a widely used database that runs on PC's, minicomputers, and mainframes, and Oracle programmers and developers are very much in demand. Oracle's SQL is used to create and alter tables with various constraints. Data is retrieved and manipulated by using SELECTS that can group data and retrieve data from several tables by joining them or by using set operations. Views are created. PL/SQL, with its variables, symbolic constants, IF statements, and loops is used to program stored functions, stored procedures, and triggers. Cursors and error handling (exceptions) are introduced.

CS 66, Advanced Oracle 3 units

Transfer: CSU

- *Prerequisite:* CS 65.

This course expands on topics covered in the basic Oracle course. The topics include SQL, SQL*Plus, Developer 2000, and DBA tasks. In addition, it will cover in detail the varied aspects of Designer 2000, a software suite instrumental in analyzing, designing, and building large scale Oracle applications.

CS 68, Oracle Database Administrator 3 units

Transfer: CSU

- *Prerequisite:* CS 65.

This course offers hands-on experience as a Database Administrator (DBA) using an Oracle server. Topics include a DBA's responsibilities, Oracle architecture, installing Oracle software, configurational options, managing RAM and disk space, managing database changes, managing transactions, tuning and monitoring database resources such as space, transactions, memory, and file usage.

CS 70, Network Fundamentals and Architecture 3 units

Transfer: CSU

- *Prerequisite:* One programming course.

This course offers a broad introduction to networking concepts and analyzes different network architectures. Introductory topics include network topologies, media and signaling, protocols, addressing, and distributed networks. The varied ways to connect computers are explored as are the resulting architectures. The course explores subnetting, both physical and virtual and internetworks are constructed in the lab. Server programs are introduced to demonstrate their signature socket-API structure. Specific real-world services such as the apache web server, BIND name server, NFS and Samba file system servers, DHCP address server, and others are discussed.

CS 71, Introduction to Windows NT Workstation 3 units

Transfer: CSU

- *Prerequisite:* CS 70.

This course is an introduction to the Windows NT Operating System. Topics include installation and configuration of the Windows NT Workstation, files and directories, security structures, TCP/IP and NetWare connectivity, printing, performance tuning, and troubleshooting.

CS 73, Computer Security Concepts 3 units

Transfer: CSU

- *Prerequisite:* CS 3 or CIS 1.

In this introductory course students will learn how to defend and protect critical computer assets from various security threats including computer worms and viruses. This course will describe fundamental techniques and principles for modeling and analyzing security. Students will learn how to express security requirements, translate requirements into policies, implement mechanisms that enforce policy, and ensure that these policies are effective. Current industry best practices for safeguarding computer resources will be discussed. Various case studies will outline the typical way that security failures get exploited by attackers and how these attacks can be discovered, understood, and countered.

CS 74A, Security in VB.NET Applications 3 units

Transfer: CSU

- *Prerequisite:* CS 15.

This course provides students with the tools needed to implement security in designing and developing applications written in Microsoft Visual Basic .NET. Topics include encryption, security practices, securing remote applications such as ASP and remote databases. Upon completion of this

course, students will be able to develop applications that can handle threats and respond to them more securely.

CS 74B, Security in J2EE Applications 3 units

Transfer: CSU

- *Prerequisite:* CS 55.

This course provides students with the tools needed to implement security in designing and developing applications utilizing the Java 2 Platform. Topics include encryption, security practices, securing remote applications such as secure web servers and remote databases. Upon completion of this course, students will be able to develop applications that can handle threats and respond to them more securely.

CS 75, Network Protocols and Analysis 2 units

Transfer: CSU

- *Prerequisite:* CS 70.

This course introduces major protocols and their roles in protocol suites with emphasis on TCP/IP. Detailed coverage is given to at least one protocol at each layer, the main application level protocols and at least one security protocol. Analytic programs such as ping, traceroute, and packet capture are studied and applied as tools to protocol analysis. The Wireshark packet capture and protocol decoder program is centrally utilized.

CS 78, Secure Server Installation and Administration 3 units

Transfer: CSU

- *Prerequisite:* CS 70.

In this course students will study network service administration. This course covers physical BIOS and bootloader security, password strength and cracking, file system permissions, authentication mechanisms, remote backup and logging, and installation strategies as machine-level security considerations. A variety of particular service applications like Apache (web service) and BIND (name service) are then studied, emphasizing their strengths, weaknesses, and how to configure them for security through wrappers, file system access jails, and other mechanisms.

CS 80, Internet Programming 3 units

Transfer: CSU

- *Prerequisite:* CS 3.

This course surveys the many technologies that are used to program multitiered, client/server, database-intensive, Web-based applications. Topics include: XHTML, Cascading Style Sheets (CSS), JavaScript, Extensible Markup Language (XML), RSS, Ajax, Rich Internet Applications, Web servers, databases, MySQL, PHP, Ruby on Rails, Active Server Pages (ASP), JavaServer Faces, and Web Services.

CS 81, JavaScript and Dynamic HTML 3 units

Transfer: CSU

- *Prerequisite:* CS 80.

This introductory programming course teaches the fundamentals of computer programming with the JavaScript language, the standard for client-side Web programming. It offers a thorough treatment of programming concepts with programs that yield visible or audible results in Web pages and Web-based applications. It shows how to use Core and Client-Side JavaScript and the Document Object Model to build interactive, high-performance Web sites.

This course uses JavaScript which is open-source (free) software.

CS 82, ASP.NET Programming in C# 3 units

Transfer: CSU

- *Prerequisite:* CS 33.

Server-side Web programming allows programmers to create content and process data supplied in Web forms to create websites. These applications process data submitted from Web forms and access backend databases to dynamically generate Web pages. Students will design and write web pages using ASP 2.0 (Active Server Pages), Visual Studio. NET and the C# programming language.

CS 83, Server-Side Java Web Programming 3 units

Transfer: CSU

- *Prerequisite:* CS 55 and CS 81.

This course teaches how to design and write applications that extend Web servers. These applications process data submitted from Web forms and access backend databases to dynamically generate Web pages. This course covers the Java Servlets and JavaServer Pages (JSP) server-side technologies.

CS 83R, Server-Side Ruby Web Programming 3 units

Transfer: CSU

- *Prerequisite:* Computer Science 60 and 80 and one of the following: CS 15 or 52 or 53A or 55.

This course teaches how to design and write applications utilizing Ruby on Rails, an open-source web application framework based on the Ruby programming language. In this course, students will create applications that gather information from a web server, query databases and render results.

CS 84, Programming with XML 3 units

Transfer: CSU

- *Prerequisite:* CS 80 and CS 55 or CS 52 or CS 33.

XML (Extensible Markup Language) is a flexible way to create "self-describing data" and to share both the format and content on the World Wide Web, intranets and elsewhere within an enterprise. In this advanced course, students will use XML and learn to tag and transform XML documents so that they can be processed by web browsers, databases and other XML processors. With the industry-standard SAX and DOM API standards, students will create XML applications that read, write and modify XML documents.

This course assists students in passing Microsoft Certification Exams.

CS 85, PHP Programming 3 units

Transfer: CSU

- *Prerequisite:* CS 81.

This course teaches how to design and write applications that extend Web servers. These applications process data submitted from Web forms and access back-end databases to dynamically generate Web pages. This course covers the PHP server-side technology. PHP, which stands for "PHP: Hypertext Preprocessor" is a widely-used, Open Source, general-purpose scripting language that is especially suited for Web development and can be embedded into HTML.

This course uses PHP and MySQL which are open-source (free) software.

CS 86, Android Development 3 units

Transfer: CSU

- *Prerequisite:* CS 55
- *Skills Advisory:* CS 56.

This course teaches how to design, develop, test, and debug applications that run on Android, a software stack for mobile devices that includes an operating system, middleware and key applications. Topics include the Android Software Development Kit (SDK), design principles, application structure, strings, graphics, user interfaces, animation, storage, networking, telephony, Location-Based Services (LBS), multimedia, 3D graphics, notifications, and services.

CS 87A, Python Programming 3 units

Transfer: UC, CSU

- *Prerequisite:* CS 3.

This course introduces the Python programming language. Students will learn how to write programs dealing in a wide range of application domains. Topics covered include the language syntax, IDE, control flow, strings, I/O, classes and regular expressions. Students may use either a PC (Windows) or a Mac (Linux) to complete their programming assignments.

CS 88A, Independent Studies in Computer Science 1 unit

Transfer: CSU

Please see "Independent Studies" section.

CS 88B, Independent Studies in Computer Science 2 units

Transfer: CSU

Please see "Independent Studies" section.

CS 88C, Independent Studies in Computer Science 3 units

Transfer: CSU

Please see "Independent Studies" section.

CS 90A, Internship in Computer Science 1 unit

Transfer: CSU

- *Prerequisite:* None.

Students must arrange an approved internship prior to enrolling in this class. F-1 students must see the Immigration Coordinator at the International Education Center before enrolling.

The Internship Program is designed to provide the student with the opportunity of on-site work experience in a computer lab. Students spend time weekly in a supervised computer facility.

CS 90B, Internship in Computer Science 2 units

Transfer: CSU

- *Prerequisite:* None.

Students must arrange an approved internship prior to enrolling in this class. F-1 students must see the Immigration Coordinator at the International Education Center before enrolling.

The Internship Program is designed to provide the student with the opportunity of on-site work experience in a computer lab. Students spend time weekly in a supervised computer facility.

Cosmetology

New Student Orientation will be held May 5th, July 7th, Sept 8th, and Nov 17th at 4:00 p.m. in BUS 143.

COSM 10A, Related Science 1A **1 unit**

- *Prerequisite: None.*

This course provides essential Cosmetology-related theory carefully formulated to prepare a student to pass the written Cosmetology, Skin Care and Manicure State Board Examinations. Basic concepts of bacteriology, sanitation, health and safety, and physiology pertaining to the head, face, hands and arms, are included in this course.

COSM 10B, Related Science 1B **1 unit**

- *Prerequisite: None.*

This course provides essential Cosmetology-related theory carefully formulated to prepare a student to pass the written Cosmetology, Skin Care and Manicure State Board Examination. Concepts of the State Board of Cosmetology Act and Regulations will be included as well as health and safety.

COSM 11A, Hair Cutting 1 **0.5 unit**

- *Prerequisite: None.*

This is the first hair cutting class required for all entering students who wish to be licensed for Cosmetology by the state of California.

This course is designed to teach beginning students basic techniques of haircutting to create a variety of hair designs.

COSM 11B, Hair Styling 1 **0.5 unit**

- *Prerequisite: None.*

This is the first hairstyling class required for all entering students who wish to be licensed for Cosmetology by the State of California. This course is an introduction to hairstyling. The students will learn the basics of hairstyling including technique of rollers, pin curls, and finger waving. Students will learn how to create hairstyles to pass the State Board of Cosmetology.

This course is an introduction to hairstyling. The students will learn how to create hairstyles to pass the state board of cosmetology with the technique of rollers, pin curls, and finger waving.

COSM 11C, Hair Coloring 1 **0.5 unit**

- *Prerequisite: None.*

This is the first hair coloring class required for all entering students who wish to be licensed for Cosmetology by the state of California.

The student will learn hair coloring and bleaching techniques and applications. This class is required to pass the California State Board of Cosmetology exam.

COSM 11D, Permanent Wave 1 **0.5 unit**

- *Prerequisite: None.*

This is the first permanent wave class required for all entering students who wish to be licensed for Cosmetology by the state of California.

This is the first permanent wave class required for all entering students who wish to be licensed for Cosmetology by the state of California. This course is designed to educate the students on permanent waving techniques and applications. It will provide a complete foundation for all perma-

nent wave procedures. This class will enable the students to pass the California State Board of Cosmetology exam.

COSM 11E, Curly Hair Techniques 1 **0.5 unit**

- *Prerequisite: None.*

Formerly COSM 14A.

This is the first curly hair technique class required for all students who wish to be licensed for Cosmetology by the State of California. This course is an introduction to curly hair care. Students will learn thermal hair straightening techniques using the basic manipulative skills and proper application of thermal hair processing on curly and excessively curly hair.

COSM 16, Nail Care 1 **0.5 unit**

- *Prerequisite: None.*

This is the first nail care class required for all entering students who wish to be licensed for Cosmetology or Manicuring by the state of California.

This is the first Nail Care class required for all entering students who wish to be licensed for Cosmetology or Manicuring by the State of California. This course provides an introduction to the basic manipulations skills in manicuring and pedicuring. The course includes the basic concepts of physiology pertaining to the hand and arm. This course is one of four in a series necessary to qualify a student to take the state Board of Barbering and Cosmetology exam.

COSM 18, Skin Care 1 **0.5 unit**

- *Prerequisite: None.*

This is the first skin care/esthetician class required for all entering students who wish to be licensed for Cosmetology or Skin Care/Esthetics in the state of California.

This course is an introduction to the principles and practice of esthetics (skin care). The course includes health and safety concerns: sanitary practice, safe use of tools and equipment. Basic concepts of anatomy and chemistry related to the skin care profession, manipulations, masks, packs, client consultation, skin analysis, conditions, disease and introduction to basic eyebrow arching are included.

COSM 20, Related Science 2 **1 unit**

- *Prerequisite: None.*

This class is required for all entering students who wish to be licensed for Cosmetology, Manicuring, or Esthetics by the state of California.

This class is required for all entering students who wish to be licensed for Cosmetology, Manicuring, or Esthetics by the state of California. This course provides essential cosmetology related theory carefully formulated to prepare a student to pass the written State Board examination. Students are instructed in the basic concepts of health, safety and related chemistry.

COSM 21A, Hair Cutting 2 **0.5 unit**

- *Prerequisite: Cosmetology 11A.*

This is the second hair cutting class required for all entering students who wish to be licensed for Cosmetology by the State of California. This course is the continuation of Cosmetology 11A. The students will learn more advanced techniques of haircutting with the use of many different types of cutting tools.

COSM 21B, Hair Styling 2 **0.5 unit**

- *Prerequisite: Cosmetology 11B.*

This is the second hair styling class required for all entering students who wish to be licensed for Cosmetology by the state of California.

This course is a continuation of Cosmetology 11B. Students will continue to learn more hairstyling techniques and proper use of blow drying and electric curling iron.

COSM 21C, Hair Coloring 2 **0.5 unit**

- *Prerequisite: Cosmetology 11C.*

This is the second hair coloring class required for all entering students who wish to be licensed for Cosmetology by the state of California.

The student will learn how color affects our lives. They will learn the different types of hair color, including henna, tints, and bleaches. They will have hands on workshops and will learn salon foiling techniques. This class provides a complete foundation for color and bleaching procedures.

COSM 21D, Permanent Waving 2 **0.5 unit**

- *Prerequisite: Cosmetology 11D.*

This is the second permanent waving class required for all entering students who wish to be licensed for Cosmetology in the State of California. This course is a continuation of Cosmetology 11D. This course provides an approach to advanced permanent waving techniques using real products in a hands on workshop.

COSM 21E, Curly Hair Techniques 2 **0.5 units**

- *Prerequisite: Cosmetology 11E.*

Formerly COSM 14B.

This class is required for all students who wish to be licensed for Cosmetology by the State of California. This course is the second class in curly hair care. Students will learn chemical and thermal hair straightening, soft perm techniques using the basic manipulative skills and proper application of thermal hair processing, curling, and chemical relaxing for excessively curly hair.

COSM 26, Nail Care 2 **0.5 unit**

- *Prerequisite: Cosmetology 16.*

This is the second nail care class required for all entering students who wish to be licensed for cosmetology or manicuring by the State of California. The student will learn State Board Rules and regulations, safety techniques and sanitation for Nails Care as well as the application of nail tips, nail wraps, manicures and pedicures.

COSM 28A, Skin Care 2A **0.5 unit**

- *Prerequisite: Cosmetology 18.*

This is the second course required for Skin Care/Esthetician and Cosmetology licensing.

The students will demonstrate the application of both individual and strip eyelashes, and the proper method of hair removal, waxing, and makeup as required by the state of California.

COSM 28B, Skin Care 2B **0.5 unit**

- *Prerequisite: Cosmetology 18.*

This course is required for Skin Care and Cosmetology licensing. The student will learn to perform electrical and chemical facials and to demonstrate the use of electrical facial machines.

COSM 30, Related Science 3 **1 unit**

- *Prerequisite: None.*

This is the third related science class required for all entering students who wish to be licensed for Cosmetology or Esthetics by the state of California.

This course provides essential Cosmetology related theory carefully formulated to prepare a student to pass the written State Board Examination. Students are instructed in basic concepts of electricity (galvanic/sinusoidal), sanitation and disinfectant techniques.

COSM 31A, Hair Cutting 3 **0.5 unit**

- *Prerequisite: Cosmetology 21A.*

This is the third hair cutting class required for all entering students who wish to be licensed for Cosmetology by the state of California.

This course is a continuation of 21A. The student will learn more advanced salon techniques for the latest trends of haircutting.

COSM 31B, Hair Styling 3 **0.5 unit**

- *Prerequisite: Cosmetology 21B.*

This is the third class required for all entering students who are preparing to be licensed for cosmetology by the State of California. This course provides an approach to different blow drying methods. Students will learn the fundamentals of blow drying long, medium, and short hair techniques, when used alone or in combination, can create many different hair designs.

COSM 31C, Hair Coloring 3 **0.5 unit**

- *Prerequisite: Cosmetology 21C.*

This is the third hair coloring class required for all entering students who wish to be licensed for Cosmetology by the state of California.

This course is a continuation of 21C. The students will learn how to formulate color to achieve the desired results the first time; learn about bleaching products, color applications and procedures, and advanced hair color and foil techniques.

COSM 31E, Curly Hair Techniques 3 **0.5 unit**

- *Prerequisite: Cosmetology 21E.*

Formerly COSM 24.

This is the third curly hair styling class required for all entering students who wish to be licensed for cosmetology by the state of California. This course is a continuation of Cosmetology 21E. The student will learn wet and thermal styling which includes blow dry styling and pressing and curling the hair. This class is required to pass the California state Board of cosmetology exam.

COSM 36, Nail Care 3 **0.5 unit**

- *Prerequisite: Cosmetology 26.*

This is the third nail care class required for all entering students who wish to be licensed for cosmetology or manicuring by the State of California. The student will learn State Board Rules and regulations, safety techniques and sanitation for Nails Care as well as the application of acrylics, French manicures.

COSM 38, Skin Care 3 **0.5 unit**

- *Prerequisite: Cosmetology 28.*

This is the third skin care class required for all entering students who wish to be licensed for Cosmetology or Esthetics by the state of California.

This course is a continuation of 28B. The students will learn more advanced techniques for chemical and electrical facials with galvanic current, high frequency, and many European massage techniques.

COSM 38B, Mechanical Exfoliation 0.5 unit

- *Prerequisite: Cosmetology 38.*

This is an advanced skin care class for students and licensed Estheticians. This class is a continuation of COSM 38. The students will learn more advanced techniques for skin analysis, record keeping, advanced anatomy and physiology to determine the protocol for microdermabrasion treatments.

COSM 38C, Chemical Exfoliation 0.5 unit

- *Prerequisite: Cosmetology 38; Prerequisite/ Corequisite: Cosmetology 20 (Cosmetology 20 can be taken concurrently with Cosmetology 38C).*

This is an advanced skin care class for students and licensed Estheticians. This class is a continuation of COSM 38B. The class will focus on the chemistry of exfoliation products, the pH scale and skin analysis to determine which chemical exfoliate should be used.

COSM 40, Related Science 4 1 unit

- *Prerequisite: None.*

This is the fourth related science class required for all entering students who wish to be licensed for Cosmetology by the state of California.

This course provides essential Cosmetology related theory carefully formulated to prepare a student to pass the written State Board Examination. Students are instructed in rules and regulations, basic concepts of health and safety, and chemistry.

COSM 41A, Hair Cutting 4 0.5 unit

- *Prerequisite: Cosmetology 31A.*

This is the fourth class required for all entering students who wish to be licensed for Cosmetology by the State of California. This course is a continuation of 31A. The student will learn more advanced salon techniques using different tools for the latest hair cutting trends.

COSM 41B, Hair Styling 4 0.5 unit

- *Prerequisite: Cosmetology 31B.*

This is the fourth class required for all entering students who wish to be licensed for Cosmetology by the State of California. This course provides an advanced approach to hair styles, including up-do's with styling techniques for different lengths of hair.

COSM 41C, Hair Coloring 4 0.5 unit

- *Prerequisite: Cosmetology 31C.*

This course provides the student the opportunity to learn advanced techniques of hair color including slicing, foiling, weaving, singles and ribbons.

COSM 42, Men's Hair Styling 0.5 unit

- *Prerequisite: Cosmetology 31A.*

This class is required for all students who wish to be licensed for Cosmetology by the state of California.

This class is designed to teach the many techniques of designing men's hair which will include wet and dry cuts, finger cutting, scissors over comb, clipper over comb, beard trims, mustache and eyebrow shaping, and blow drying.

COSM 46, Nail Care 4 0.5 unit

- *Prerequisite: Cosmetology 36.*

This is the fourth nail care class required for all entering students who wish to be licensed for cosmetology or manicuring by the State of California. The student will learn State Board Rules and regulations, safety techniques and sanitation for Nail Care as well as the application of gel nails, pedicures, Spa manicures/pedicures and 3-D art.

COSM 48, Skin Care 4 0.5 unit

- *Prerequisite: Cosmetology 38.*

This is the fourth skin care class required for all continuing students who wish to be licensed for Esthetics and Cosmetology by the state of California. This course will be a combination of theory and practical application. It will prepare the student to take the State Board examination required to obtain a license in Skin Care.

COSM 48B, Advanced Make-Up 0.5 unit

- *Prerequisite: Cosmetology 28A.*

This class is required for all students who wish to be licensed for Esthetics and Cosmetology by the state of California. This is an intense class in make-up application.

This course will include color theory, blending make-up, the use of concealers, highlighters and contours. The application of blush, powders, lip liners and lipstick, eye makeup techniques, and the application of new trends will also be covered. Students will learn how to determine face shapes, the correct way to tweeze, wax eyebrows, and work with brow pencils. Students will learn evening glamour and high fashion make-up, hair removal, special bridal looks, coordination of the wedding party make-up, and how to conduct a wedding party consultation. Make-up techniques for color and black-and-white film and work with studio lighting are included.

COSM 50A, Related Science 5 2 units

- *Prerequisite: Completion of at least 800 hours in Cosmetology.*

This is the fifth class required for all entering students who wish to be licensed for Cosmetology by the state of California.

This course provides essential Cosmetology related theory carefully formulated to prepare a student to pass the written State Board Examination. Students are instructed in basic concepts of record keeping, facials, wet styling, scalp treatment, haircutting, perms, relaxing, hair color, thermal treatments, manicuring, and artificial nails.

COSM 50A is mandatory for Cosmetology students. Esthetician students may take COSM 50A after completing 400 hours.

COSM 50B, Practical Preparation for State Board Exam 1.5 units

- *Prerequisite: Completion of at least 1000 hours in Cosmetology.*

The State Board Practical-Prep class is a class that will prepare the student to take the California State Board practical exam required to obtain a cosmetology license. The state board procedures include: wet hairstyling, thermal pressing and curling with Marcel iron, haircutting, finger waving, roller placement, pin curls, manicure, pedicure, acrylic nails, nail repair, (silk and paper), facial (chemical facial, dermal light facial, plain facial) Hair removal, (twee-

zers and wax), soft perm (ammonium thioglycolate), hair straightening (sodium hydroxide), cold wave (permanent wave), hair coloring, bleaching, P.D. test (predisposition test), disinfection, sanitation and safety procedures.

COSM 50C, Written Preparation for State Board Exam **1 unit**

- *Prerequisite: Completion of at least 1000 hours in Cosmetology.*

This theory course is designed to successfully prepare the student to take the written portion of the California State Board exam required to obtain a cosmetology license. State Board written testing includes: wet hairstyling, thermal pressing and curling with Marcel iron, haircutting, finger waving, roller placement, pin curls, manicure, pedicure, acrylic nails, nail repair, (silk and paper), facial (chemical facial, dermal light facial, plain facial, hair removal (tweezers and wax), soft perm (ammonium thioglycolate), hair straightening (sodium hydroxide), cold wave (permanent wave), P.D. test (predisposition test), disinfection, sanitation and safety procedures.

COSM 50E, Written Preparation For Esthetician State Board Exam **1 unit**

- *Prerequisite: Completion of at least 400 hours of Esthetician coursework.*

This theory course is designed to successfully prepare the student to take the written portion of the National-Interstate Council of State Boards of Cosmetology (NIC) exam required to obtain an esthetician license. Written testing includes: disinfection, sanitation health and safety, rules and regulations, bacteriology, anatomy and physiology, manual facials, chemical facials, electrical facials, advanced techniques of skin care, eyebrow tweezing, waxing and makeup procedures.

COSM 50N, Written Preparation For Nail Care State Board Exam **1 unit**

- *Prerequisite: Completion of at least 300 hours of Nail Care coursework.*

This theory course is designed to successfully prepare the student to take the written portion of the National-Interstate Council of State Boards of Cosmetology (NIC) exam required to obtain a Manicuring license. Written testing includes: disinfection, sanitation, health and safety, rules and regulations, bacteriology, anatomy and physiology, manicuring, pedicuring, nail tips, acrylic and gel nails.

COSM 60, Related Science 6 **1 unit**

- *Prerequisite: Completion of at least 1500 hours in Cosmetology and 500 in skin care.*

This is the sixth class required for all entering students who wish to be licensed for Cosmetology by the state of California.

This course is designed for the student to fill in their individual requirements needed to complete their theory portion necessary to qualify for the California State Board of Cosmetology Exam.

COSM 64, Salon Management **2 units**

- *Prerequisite: None.*

This course presents an opportunity for a student/licensee to learn clientele building, choosing the right salon, types of leases and rent agreements, business permits, how to

handle supplies, labor related laws, and key points for operating a salon as well as how to write a resume.

COSM 71, Cosmetology Instructional Techniques: Theory **1 unit**

- *Prerequisite: Cosmetology 50B and instructor approval.*

This course is designed to prepare the licensed cosmetologist for a teaching career in the public and private sectors of cosmetology. This course offers an overview of teaching methodologies, teaching to diverse learning styles, professional development and learning philosophies of aspiring educators.

It is recommended that the student have a Cosmetology license issued from the California State Board of Barbering and Cosmetology and one year experience working in a salon as a professional cosmetologist.

COSM 72, Applied Instructional Techniques **1 unit**

- *Prerequisite: Cosmetology 50B and Instructor approval.*

This course is designed to prepare the licensed cosmetologist for a teaching career in the public and private sectors of cosmetology. This course will address effective strategies for instructing students on the salon floor as well as in the classroom. Emphasis is also placed on salon safety and sanitation.

It is recommended that the student have a Cosmetology license issued from the California State Board of Barbering and Cosmetology and one year experience working in a salon as a professional cosmetologist.

COSM 73, Cosmetology Instructional Materials **1 unit**

- *Prerequisite: Cosmetology 50B and Instructor approval.*

This course is designed to prepare the licensed cosmetologist for a teaching career in the public and private sectors of cosmetology. Students will develop instructional materials including course outlines, syllabi, lesson plans, educational aids, and score sheets for practical examinations.

It is recommended that the student have a Cosmetology License issued from the California State Board of Barbering and Cosmetology and one year experience working in a salon as a professional cosmetologist.

COSM 74, Techniques for Assessment **1 unit**

- *Prerequisite: Cosmetology 50B and instructor approval.*

This course is designed to prepare the licensed cosmetologist for a teaching career in the public and private sectors of cosmetology. This course focuses on development of student learning outcomes and assessments as measures of effective instruction. There will also be an emphasis on refining instructional techniques to meet the needs of students with diverse learning styles.

It is recommended that the student have a Cosmetology License issued from the California State Board of Barbering and Cosmetology and one year experience working in a salon as a professional cosmetologist.

COSM 75A, Instructional Techniques in Salon 1 **1 unit**

- *Prerequisite: Cosmetology 50B.*

This course is designed to prepare the licensed cosmetologist for a teaching career in the public and private sectors of cosmetology. This course emphasizes practical experience on the salon floor and supervising students under the direction of an instructor.

It is recommended that the student have a Cosmetology License issued from the California State Board of Barbering and Cosmetology and one year experience working in a salon as a professional cosmetologist.

COSM 75B, Instructional Techniques in Salon 2 **2 units**

- *Prerequisite: Cosmetology 50B.*

This course is designed to prepare the licensed cosmetologist for a teaching career in the public and private sectors of cosmetology. This course emphasizes practical experience on the salon floor, supervising students under the direction of an instructor.

It is recommended that the student have a Cosmetology License issued from the California State Board of Barbering and Cosmetology and one year experience working in a salon as a professional cosmetologist.

COSM 75C, Instructional Techniques in Salon 3 **3 units**

- *Prerequisite: Cosmetology 50B.*

This course is designed to prepare the licensed cosmetologist for a teaching career in the public and private sectors of cosmetology. This course emphasizes practical experience on the salon floor, supervising students under the direction of an instructor.

It is recommended that the student have a Cosmetology License issued from the California State Board of Barbering and Cosmetology and one year experience working in a salon as a professional cosmetologist.

COSM 75D, Instructional Techniques in Salon 4 **4 units**

- *Prerequisite: Cosmetology 50B.*

This course is designed to prepare the licensed cosmetologist for a teaching career in the public and private sectors of cosmetology. This course emphasizes practical experience on the salon floor, supervising students under the direction of an instructor.

It is recommended that the student have a Cosmetology License issued from the California State Board of Barbering and Cosmetology and one year experience working in a salon as a professional cosmetologist.

COSM 88A, Independent Studies in Cosmetology **1 unit**

Transfer: CSU

Please see "Independent Studies" section.

COSM 95A, Salon Experience **1 unit**

- *Prerequisite: Completion of all beginning courses. Cosmetology students must have completed at least 300 classroom hours; Skin Care students must have completed 60 classroom hours; Nail Care students must have completed 40 classroom hours.*

COSM 95 is a variable unit course offered in four modules-A, B, C, or D. Students should sign up for the module that best fits their course schedules to maximize hours earned.

This course is a module of a variable unit, variable hour, open-entry/open-exit experience provides the opportunity to obtain practical salon training working on patrons. The practical work is as close to actual beauty salon experience as possible. Students will earn hours toward the required practical hours and operations to be eligible to take the California State Board of Barbering and Cosmetology exam, under the supervision of faculty. The student has fulfilled the salon requirement upon completion of 650-700 hours and has successful demonstration of all required operations.

COSM 95B, Salon Experience **2 units**

- *Prerequisite: Completion of all beginning courses. Cosmetology students must have completed at least 300 classroom hours; Skin Care students must have completed 60 classroom hours; Nail Care students must have completed 40 classroom hours.*

COSM 95 is a variable unit course offered in four modules-A, B, C, or D. Students should sign up for the module that best fits their course schedules to maximize hours earned.

This variable unit, variable hour, open-entry/open-exit experience provides the opportunity to obtain practical salon training working on patrons. The practical work is as close to actual beauty salon experience as possible. Students will earn hours toward the required practical hours and operations to be eligible to take the California State Board of Barbering and Cosmetology exam under the supervision of faculty. The student has fulfilled the salon requirement upon completion of 650-700 hours and has successfully demonstrated all required operations.

COSM 95C, Salon Experience **3 units**

- *Prerequisite: Completion of all beginning courses. Cosmetology students must have completed at least 300 classroom hours; Skin Care students must have completed 60 classroom hours; Nail Care students must have completed 40 classroom hours.*

COSM 95 is a variable unit course offered in four modules-A, B, C, or D. Students should sign up for the module that best fits their course schedules to maximize hours earned.

This course is a module of a variable unit, variable hour, open-entry/open-exit experience provides the opportunity to obtain practical salon training working on patrons. The practical work is as close to actual beauty salon experience as possible. Students will earn hours toward the required practical hours and operations to be eligible to take the California State Board of Barbering and Cosmetology exam, under the supervision of faculty. The student has fulfilled the salon requirement upon completion of 650-700 hours and has successful demonstration of all required operations.

COSM 95D, Salon Experience **4 units**

- *Prerequisite: Completion of all beginning courses. Cosmetology students must have completed at least 300 classroom hours; Skin Care students must have completed 60 classroom hours; Nail Care students must have completed 40 classroom hours.*

COSM 95 is a variable unit course offered in four modules-A, B, C, or D. Students should sign up for the module that best fits their course schedules to maximize hours earned.

This course is a module of a variable unit, variable hour, open-entry/open-exit experience provides the opportunity to obtain practical salon training working on patrons. The

practical work is as close to actual beauty salon experience as possible. Students will earn hours toward the required practical hours and operations to be eligible to take the California State Board of Barbering and Cosmetology exam, under the supervision of faculty. The student has fulfilled the salon requirement upon completion of 650-700 hours and has successful demonstration of all required operations.

Counseling and Testing

Formerly listed as Human Development.

The Counseling Department offers courses which assist students with student success strategies, learning and study skills, Associate degree and transfer planning, career development and internships, conflict resolution skills and behavior management. Disabled Student Services offers several such courses and more which provide specialized information for disability-related concerns.

Students may apply a maximum of 4 units of Counseling courses to the Associate degree. The following courses are exempt from this unit limitation: Counseling 12, 20 and 30.

COUNS 1, Developing Learning Skills 1 unit

- *Prerequisite: None.*

Students may apply a maximum of 4 units of Counseling courses to the Associate degree.

This course is designed to help students at all academic levels to improve their study skills in time management, goal-setting, lecture and textbook note-taking, textbook reading, exam preparation, and test-taking to increase their academic success. This course is offered on a pass/no pass basis only.

COUNS 11, Orientation to Higher Education 1 unit

Transfer: CSU

- *Prerequisite: None.*

Students may apply a maximum of 4 units of Counseling courses to the Associate degree.

This course introduces higher education and the Master Plan for Higher Education in California. Emphasis is on curricula available at community colleges, state and independent colleges and universities, and the University of California. Included will be discussion of non-curricular areas in higher education and general educational policies, student government and its role in education, and environmental differences in the various institutions of higher learning, especially in California. This course should prove especially useful to international students or others unfamiliar with the structure and philosophy of higher education, both public and private. Offered on a credit/no credit basis only.

COUNS 12, Career Planning 1 unit

Transfer: CSU

- *Prerequisite: None.*

This course is designed to inform and assist students in making appropriate and satisfying career choices. Using self-evaluation instruments, students identify interests, abilities, values, and goals. Skills necessary for future career investigation and decision-making are included.

COUNS 13, Personal and Social Awareness 1 unit

- *Prerequisite: None.*

Students may apply a maximum of 4 units of Counseling courses to the Associate degree.

The course presents the theoretical foundations and techniques of group processes. Through group interaction, the student gains greater self-awareness, sensitivity to others and more effective communication skills.

COUNS 15, Job Search Techniques 1 unit

- *Prerequisite: None.*

Students may apply a maximum of 4 units of Counseling courses to the Associate degree.

The objective of this course is to teach skills necessary for successful job hunting by students. Skills identification, interviewing techniques, researching the job market, and resume writing are explored.

COUNS 16, Job Success Skills 1 unit

- *Prerequisite: None.*

Students may apply a maximum of 4 units of Counseling courses to the Associate degree.

This entry-level employment course provides the skills that new employees need to retain their jobs. These skills include communicating skills; getting along with employers, supervisors, and customers; exhibiting positive attitudes and behaviors; adapting to the company culture; and surviving the initial months on the job.

COUNS 17, Conflict Resolution Skills 1 unit

Transfer: CSU

- *Prerequisite: None.*

Students may apply a maximum of 4 units of Counseling courses to the Associate degree.

Conflict is a fact of life. How one feels and behaves in response to conflict determines whether negative or positive outcomes are experienced. This course focuses on individual attitudes, beliefs, and behaviors about conflict, and provides insight into the ways individuals can view conflict in a positive way. It also explores the various causes of conflict, mediation strategies and interventions, the practical ways in which conflict resolution could be implemented in daily life, as well as career paths that utilize conflict resolution skills.

COUNS 18, Behavior Management 1 unit

Transfer: CSU

- *Prerequisite: None.*

Students may apply a maximum of 4 units of Counseling courses to the Associate degree.

The aim of this course is to enable participants to identify behavioral patterns and physiological responses to anger expression and to examine and practice strategies for anger management.

COUNS 19, Orientation Seminar 0.5 unit

Transfer: CSU

- *Prerequisite: None.*

Students may apply a maximum of 4 units of Counseling courses to the Associate degree.

This nine hour course for new students will provide a comprehensive introduction to the college environment by focusing on Santa Monica College's programs and services and on the development of essential college survival skills.

The orientation provides an overview of college policies and an insight into faculty expectations. It also includes an introduction to the structure of higher education systems, degree and transfer requirements, math and English/ESL assessment and interpretation, study skills, and financial aid information. Students will also develop and file a Student Educational Plan in consultation with a counselor.

COUNS 20, Student Success Seminar 3 units

Transfer: UC, CSU

- *Prerequisite: None.*

This course provides an exploration of intellectual, psychological, social and physical factors that impact lifelong learning, well-being and success. Topics include motivation and self-efficacy; critical thinking, academic integrity and active study strategies; health issues and lifestyle choices; relating to others as a global citizen; written and oral communication; time management; career exploration; and educational planning.

COUNS 23, Student Success Seminar II 1 unit

- *Prerequisite: Counseling 20.*

Counseling 23 may not be applied toward the Associate degree.

This course builds upon the knowledge, skills and effective behaviors learned in Human Development 20 and provides an in-depth application of the concepts. Topics to be covered include: motivation, locus of control, and how people learn; improving and expanding memory and concentration; application of appropriate learning strategies; critical thinking; and effective oral communication. It will engage students in the critical evaluation of their own and other students' learning and mastery of the concepts.

COUNS 30, Life Transitions and Adjustments 3 units

Transfer: CSU

- *Prerequisite: None.*

This course emphasizes the study of identity, life transitions, and individual adjustment. Theoretical and applied approaches to understanding the self, others, and the environment are considered. Factors such as personality development, gender, sexual identity, ethnicity, family dynamics, disability status, interpersonal relationships, self-esteem, goals, values, and death and dying will be emphasized.

COUNS 47, Personal Finance for Students 1 unit

Transfer: CSU

- *Prerequisite: None.*

Students may apply a maximum of 4 units of Counseling courses to the Associate degree.

This course provides students with the fundamental tools to make informed decisions that impact their short and intermediate-term finances. Topics covered include money management and the decision processes and behaviors underlying spending, saving, and borrowing.

Counseling 47 is the same course as Business 47. Students may earn credit for one but not both.

COUNS 88A, Independent Studies in Counseling 1 unit

Transfer: CSU

Please see "Independent Studies" section.

COUNS 90A, General Internship 1 unit

Transfer: CSU

- *Prerequisite: Students must be a continuing SMC student who completed 6 or more units in the previous semester.*

This course provides students with on-the-job practical work experience to enhance work-related skills, increase awareness of potential careers, and develop knowledge of the "work culture." The internship need not be related to the students' educational or career goal.

This course is offered on a pass/no pass basis only. Please visit the Career Services Center for more information.

COUNS 90B, General Internship 2 units

Transfer: CSU

- *Prerequisite: Students must be a continuing SMC student who completed 6 or more units in the previous semester.*

This course provides students with on-the-job practical work experience to enhance work-related skills, increase awareness of potential careers, and develop knowledge of the "work culture." The internship need not be related to the students' educational or career goal.

This course is offered on a pass/no pass basis only. Please visit the Career Services Center for more information.

COUNS 90C, General Internship 3 units

Transfer: CSU

- *Prerequisite: Students must be a continuing SMC student who completed 6 or more units in the previous semester.*

This course provides students with on-the-job practical work experience to enhance work-related skills, increase awareness of potential careers, and develop knowledge of the "work culture." The internship need not be related to the student's educational or career goal.

This course is offered on a pass/no pass basis only. Please visit the Career Services Center for more information.

COUNS 90D, General Internship 4 units

Transfer: CSU

- *Prerequisite: Students must be a continuing SMC student who completed 6 or more units in the previous semester.*

This course provides students with on-the-job practical work experience to enhance work-related skills, increase awareness of potential careers, and develop knowledge of the "work culture". Internship need not be related to the students' educational or career goal.

This course is offered on a pass/no pass basis only. Please visit the Career Services Center for more information.

Counseling - Adult Education

COUNS 906, American Sign Language Level 1 (Beginner) 0 units

- *Prerequisite: None.*

This introductory course is designed for the student with little or no previous knowledge of American Sign Language (ASL). ASL is taught using an interactive approach, which includes classroom conversation, games and exercises.

Students learn basic everyday communication skills, using signed words and finger spelling. Course content includes information about deaf culture and the deaf community.

COUNS 910, ABI Connections 0 units

- *Prerequisite: None.*

This course is taught in community settings for adults with acquired brain injuries. The course instructs students in retraining and increasing cognitive skills. Caregivers will be included in the instruction when desirable.

COUNS 912, Basic Living Skills 0 units

- *Prerequisite: None.*

This course is designed for developmentally disabled/slow learners. The curriculum includes development of basic skills in the areas of meal planning and preparation, shopping, money management, social behavior, leisure and pre-vocational skills.

COUNS 921, Learning Skills 0 units

- *Prerequisite: None.*

This class provides individualized instruction to students who require specialized training in any of the following areas: 1) the use of adapted equipment or technology, 2) the acquisition of skills necessary to adapt to the college environment, or 3) the identification of learning strengths and weaknesses toward the development of an individual educational plan.

COUNS 912W, Developing Occupational Skills 0 units

- *Prerequisite: None.*

The Developing Occupational Skills Class is designed for developmentally disabled/slow learners. The program curriculum includes development of basic skills in the areas of meal planning and preparation, shopping, money management, sex education, social behavior, leisure, and pre-vocational skills.

Counseling – Disabled Student Services

COUNS 1H, Study Skills Lab 0.5 unit

- *Prerequisite: None.*

Maximum credit of Associate degree applicable counseling courses may be limited; check with Counseling.

This course introduces specific learning and study strategies that assist students in meeting the academic demands of their college courses. Each class covers in depth only one area of study skills each 8 weeks. These classes are designed to target specific areas of weakness.

COUNS 2H, Study Skills Lab 0.5 unit

- *Prerequisite: None.*

Maximum credit of Associate degree applicable counseling courses may be limited; check with Counseling.

This course introduces specific learning and study strategies that assist students in meeting the academic demands of their college courses. Each class covers in depth only one area of study skills each 8 weeks. These classes are designed to target specific areas of weakness.

COUNS 12H, Career Planning 1 unit

Transfer: CSU

- *Prerequisite: None.*

Maximum credit of Associate degree applicable counseling courses may be limited; check with Counseling.

This course is designed to inform and assist students in making appropriate and satisfying career choices. Using self-evaluation instruments, students identify interests, abilities, values, and goals. Skills necessary for future career investigation and decision-making are included.

COUNS 13H, Personal and Social Awareness 1 unit

- *Prerequisite: None.*

Maximum credit of Associate degree applicable counseling courses may be limited; check with Counseling.

This course is designed for students who wish to gain greater self-awareness, become more sensitive to others, and improve their communication skills through group interaction.

COUNS 15H, Job Search Techniques 1 unit

- *Prerequisite: Counseling 12H.*

Maximum credit of Associate degree applicable counseling courses may be limited; check with Counseling.

The objective of this course is to teach skills necessary for successful job hunting. Skills identification, interviewing techniques, researching the job market, and resume writing are explored. Emphasis is placed on understanding legal rights of a person with a disability under federal and state laws.

COUNS 21H, Adapted Computer Technology 1 unit

- *Prerequisite: None.*

In the context of word processing, students receive instruction in the assistive technology needed to provide computer access for completion of written academic assignments. This course is designed for the Disabled Students Program and students must enroll through the Disabled Students High Tech Center. Students must be concurrently enrolled in an academic class at Santa Monica College.

COUNS 22H, Adapted Computer Technology, Internet Skills for Academic Success 1 unit

- *Prerequisite: None.*

In the context of the appropriate assistive technology and ergonomics, students learn Internet skills and resources helpful for academic coursework. This class is designed for students eligible for the Disabled Students Program, and students must enroll through the Disabled Students/High Tech Center. Students must be concurrently enrolled in academic classes at SMC. Experience with basic word processing skills is strongly suggested.

COUNS 25H, Adapted Computer Technology, Technology Tools for Academic Success 0.5 unit

- *Prerequisite: None.*

In the context of the appropriate assistive technology and ergonomics, students learn software programs relevant to their academic success. Programs address academic strategies and reference tools, (e.g., brainstorming, organizing information, planning, spelling and homonym checking, dictionaries and thesauri), text to speech technology, and the fundamentals of industry-standard applications used in mainstream courses (e.g., Excel, Access, Photo Shop).

This class is designed for students eligible for the Disabled Students Program, and students must enroll through the Disabled Students/High Tech Center. Students must be concurrently enrolled in academic classes at SMC. Experience with basic word processing skills is strongly suggested.

COUNS 26, Technology Literacy for Academic Success **1 unit**

- *Prerequisite: None.*

In the context of the appropriate assistive technology and ergonomics, students learn features of industry-standard applications (e.g., formatting a research paper in Word, creating a multimedia PowerPoint presentation) professors expect students to use for their course assignments. Students will use these technologies to create a short research paper and a PowerPoint presentation relevant to their academic coursework and/or learning strategies. This open-entry, self-paced course is designed for students eligible for the Disabled Students program, and students must enroll through the Disabled Students/High Tech Center. Students must be concurrently enrolled in academic classes at SMC.

COUNS 41H, Independent Living Skills **2 units**

- *Prerequisite: None.*

This course is designed for those physically disabled students who wish to function more independently in their activities of daily living (ADL). Emphasis will be placed on skill acquisition in both home and community activities through an application of problem-solving methods and a learning hierarchy. Assessments of functional performance will be administered in order to provide behavioral feedback information and encourage skill improvement. Skills necessary for successful community and college adaptation will be included in instruction. Principles of consumer advocacy and a historical framework of the disabled in the U.S. and California will be included.

COUNS 51, Test Taking/Memory Strategies **1 unit**

- *Prerequisite: None.*

Maximum credit of Associate degree applicable counseling courses may be limited; check with Counseling.

This course is designed to teach specific learning strategies in the areas of test taking and memory. Students will learn to be more successful in taking various types of academic tests by applying specific strategies for studying for tests, retaining and recalling information, answering test questions, and learning from mistakes. This course is designed for students with learning disabilities.

COUNS 52, Textbook/Memory Strategies **1 unit**

- *Prerequisite: None.*

Maximum credit of Associate degree applicable counseling courses may be limited; check with Counseling.

This course is designed to teach specific learning strategies in the areas of textbook study and memory. Students will learn to improve comprehension of textbooks in various subject areas by reading actively, to create a variety of study tools from textbooks, and to apply techniques for remembering what has been read. This course is designed for students with learning disabilities.

COUNS 53, Phonics, Spelling and Vocabulary Development **1 unit**

- *Prerequisite: None.*

Maximum credit of Associate degree applicable counseling courses may be limited; check with Counseling.

This course helps students develop strategies to improve phonetic and rule-based spelling. This course also helps students develop vocabulary through understanding of word morphology. This course is designed for students with learning disabilities.

COUNS 54, Organizational Strategies **1 unit**

- *Prerequisite: None.*

Maximum credit of Associate degree applicable counseling courses may be limited; check with Counseling.

The primary emphasis of this class is time management and task analysis. Students are taught how to break academic assignments down into individual steps and how to schedule these and other tasks on daily, weekly, and monthly calendars. Goal setting, prioritizing, procrastination, and evaluation of study time and environment are part of this planning process. Also covered are organization of materials and information, preferred learning styles, and sensory modalities. This class is designed for students with learning disabilities and especially attention deficit disorders.

COUNS 55, Student Success Strategies **1 unit**

- *Prerequisite: None.*

Maximum credit of Associate degree applicable counseling courses may be limited; check with Counseling.

This course is designed to assist students with learning disabilities in developing specific learning and study strategies in order to meet the academic demands of their college level coursework.

COUNS 56, Written Language Strategies **1 unit**

- *Prerequisite: None.*

Maximum credit of Associate degree applicable counseling courses may be limited; check with Counseling.

This course incorporates the use of computers and software to implement and support the step-by-step stages of writing strategies. This course is designed for students with learning disabilities.

COUNS 57, Listening, Note Taking and Memory **1 unit**

- *Prerequisite: None.*

Maximum credit of Associate degree applicable counseling courses may be limited; check with Counseling.

This course is designed to improve a student's ability to actively listen, take lecture notes, and to employ memory strategies. The class is specifically for students with learning disabilities. Assistive technology for note taking is also explored.

COUNS 58, Math Strategies **1 unit**

- *Prerequisite: None.*

Maximum credit of Associate degree applicable counseling courses may be limited; check with Counseling.

This course teaches students with learning disabilities strategies to improve how they learn mathematics and solve mathematical problems.

COUNS 59, Textbook Strategies Using Technology **1 unit**

- *Prerequisite: None.*

Students learn to apply technology-based study strategies to enhance comprehension and retention of instructional materials. Students will apply the strategies with consideration for their learning styles and the types of materials they are reading. Comprehension strategies such as patterns of organization and skimming techniques are also covered. This course is designed for students with learning disabilities.

Dance

Students enrolled in Dance classes are required to purchase tickets for and attend a performance of both Synapse (Nov 19 & 20) and Global Motion (Dec 10 & 11) at the Broad Stage. For more information see www.smc.edu/dance.

DANCE 9, Dance Productions **3 units**

Transfer: UC, CSU

- *Prerequisite: None.*

This lecture survey course addresses the many different requirements of putting on a production, providing the theoretical foundation that supports the production process, and building an information base of the specialized language and terminology, schedules and procedures necessary to produce a show. Students learn how to organize and prepare the different aspects of production, how to implement ideas, and how to communicate with specialists in the field.

DANCE 10, Fundamentals of Dance Technique **2 units**

Transfer: UC, CSU

- *Prerequisite: None.*

This course places emphasis on the fundamental training necessary for success in a variety of dance and movement styles for dance students of all levels. Movement principles from sources including anatomy, biomechanics and rehabilitation will be utilized to improve body alignment, core stabilization, breath support and other aspects of technique in key dance movement patterns. Students will demonstrate proper body alignment, learn human anatomy as it pertains to the moving body, analyze different principles of movement emphasizing time, space and effort as well as enhance the mind-body connection through somatic principles.

DANCE 14, Beginning Modern Jazz Dance **1 unit**

Transfer: UC, CSU

- *Prerequisite: None.*

This introductory course will explore the fundamental techniques of Jazz Dance. Attention is placed on basic jazz dance steps and vocabulary, with emphasis on musicality, strength and flexibility, expression, coordination and an appreciation of jazz dance as an art form. The technique also investigates the use of rhythm, dynamics, space, and energy while disciplining the body and developing motor skills as a tool for creative self expression. Written assignments on American jazz icons and attendance at the Departments Dance concerts are required.

DANCE 15, Intermediate Modern Jazz **1 unit**

Transfer: UC, CSU

- *Prerequisite: Dance 14 or Equivalent Experience.*

This course is a continuation of Dance 14, building on the intermediate jazz techniques and movement vocabulary. Students should be at the intermediate level. The class introduces new skills and movement variations from various jazz styles. The technique investigates the use of rhythm, dynamics, space, and energy while disciplining the body and developing motor skills as a tool for creative self expression. Written assignments on American jazz icons and attendance at the Dance concerts are required.

DANCE 16, Advanced Modern Jazz **1 unit**

Transfer: UC, CSU

- *Prerequisite: Dance 15 or Equivalent Experience.*

This course is a continuation of Dance 15, building on the advanced jazz techniques and movement vocabulary. The class focuses on advanced skills and movement variations from various jazz styles. Longer combinations further explore dance expression in jazz with more complex dance sequences and rhythmic phrasing. The technique also investigates the use of intricate rhythms, dynamics, space, and energy while disciplining the body and developing motor skills as a tool for creative self expression at an advanced level. Written assignments on American jazz icons and attendance at the Departments Dance concerts are required.

DANCE 17, Beginning Tap **1 unit**

Transfer: UC, CSU

- *Prerequisite: None.*

This course introduces tap technique and styles (including rhythm tap and Broadway tap), information about the cultural and historical origins of tap, and current trends and applications of tap in concert dance and musical theater. Emphasis will be on fundamental skills and rhythms, time steps, flash footwork, short combinations, and styling.

DANCE 18, Intermediate Tap **1 unit**

Transfer: UC, CSU

- *Prerequisite: Dance 17 or Equivalent Experience.*

This course presents a more in depth look at tap technique and styles. Students learn intermediate steps and techniques with a focus on more complex syncopated rhythms, tonal clarity and speed. Different musical styles will be introduced relating rhythms, time signatures, and musical structures to tap styles. Students will study historical tap dance figures, current trends, choreographic ideas and improvisation.

DANCE 19, Ballroom Dance **1 unit**

Transfer: UC, CSU

- *Prerequisite: None.*

This course gives students the opportunity to learn various social dance forms. It is designed for students with no dance experience as well as experienced dance students who want to be introduced to dance forms new to them. Examples of dance forms that may be included are: Fox Trot, Waltz, Swing, Rumba, Cha Cha, Tango, and Samba. The course will focus on exploring the differences and similarities among styles and techniques while also developing coordination skills. Historical studies and individual cho-

reography will enhance the student's knowledge of each dance form as well as encourage creativity.

DANCE 20, World Dance Survey **2 units**

Transfer: UC, CSU

- *Prerequisite: None.*

Both dance majors and non-majors learn specific world dance styles within a given semester; the study of the music, art, and costume of the particular style is also included. The dance techniques learned will serve as preparation for the World Dance Performance Course (Dance 57A).

Students may select either Middle Eastern/East Indian Dance or Salsa Dance. See specific course section listings.

DANCE 21, Asian Pacific Dance Survey **2 units**

Transfer: UC, CSU

- *Prerequisite: None.*

This course introduces students to the theatrical, social, and religious traditions of Asian/Pacific Dance in its cultural context. The movement techniques of one or more forms will be studied in one semester, as well as the relationship of the dance to music, myth, and character.

Dance 21 serves as preparation for Dance 57A, the Global Motion performance class.

DANCE 22, Mexican Dance **2 units**

Transfer: UC, CSU

- *Prerequisite: None.*

This course is a Mexican dance class which introduces techniques and styles of traditional Mexican dances. Movements are taught as students learn authentic regional dances and study indigenous and outside influences, historical impact, costumes and music. The dance techniques learned will serve as preparation for Global Motion World Dance Company performance classes (Dance 57A and Dance 57B).

DANCE 23, Intermediate Mexican Dance **2 units**

Transfer: UC, CSU

- *Prerequisite: Dance 22 or Equivalent Experience.*

This course is an intermediate level course in the content and technique of traditional Mexican dance. Lecture topics include: the history of additional states of Mexico not included in beginning Mexican dance, the culture of those people past and present, European and African influences, impact on the indigenous people, the influence of religion, music, art, and popular styles. Dance technique topics include: placement, intermediate level footwork, rhythm patterns, intermediate level dances and choreography. The dance techniques learned will serve as preparation for the Global Motion World Dance Company performance courses (Dance 57A and Dance 57B).

DANCE 24, Flamenco Dance 1 **2 units**

Transfer: UC, CSU

- *Prerequisite: None.*

This course introduces students to the movement and music of Flamenco Dance and its cultural, historic, and geographic origins. Dance techniques are studied in relationship to Cantos or Flamenco song, and compared to Spanish classical and folk dance.

Dance 24 serves as preparation for Dance 57A, the Global Motion performance class.

DANCE 25, African Dance **2 units**

Transfer: UC, CSU

- *Prerequisite: None.*

This course is an introduction to the study of African dance with an emphasis on West African traditional and contemporary dances. Emphasis is on techniques of Ghana, Nigeria, Senegal, and Dunham Technique.

Dance 25 serves as preparation for Dance 57A, the Global Motion performance class.

DANCE 27, Brazilian Dance **2 units**

Transfer: UC, CSU

- *Prerequisite: None.*

This course surveys Brazilian dance with an emphasis on Afro-Brazilian technique and styles. Course content will include dances of the Candomble Orixas, folkloric forms such as Maculele and Maracatu, Samba, and contemporary Brazilian choreographies. Instruction will also include lectures on the vital relationship between dance, drumming, song, costume, and legends of these living traditions. The impact of these dance forms on Brazilian society will also be presented in both lecture and movement technique.

Dance 27 serves as preparation for Dance 57A, the Global Motion performance class.

DANCE 27B, Intermediate Brazilian Dance **2 units**

Transfer: UC, CSU

- *Prerequisite: Dance 27 or Equivalent Experience.*

This course offers an intermediate level of Brazilian dance with an emphasis on further developing aesthetic concepts and principles of traditional and contemporary Afro-Brazilian dance movement. Course content will include in-depth study of orixa dance movement, introduction to the Silvestre Technique, folkloric dances from the Northeastern region of Brazil, contemporary Afro-Bahian dances and further development of these living dance genres in performance. Correct body alignment and placement will be stressed with the goal of mastering new steps, more advanced footwork, rhythmic patterns and critical analysis of this global dance form.

DANCE 29, Middle Eastern/North African Dance **2 units**

Transfer: UC, CSU

- *Prerequisite: None.*

This course introduces students to the movement, music, and costumes of Middle Eastern/North African Dance. In this course students will examine historic culture and modern developments in this dance genre. Students will study the origins of Middle Eastern/North African dance techniques, rhythms, and terminology.

DANCE 31, Ballet I **1 unit**

Transfer: UC, CSU

- *Prerequisite: None.*

This course is designed to introduce the concepts and principles of classical ballet technique to the beginning student with emphasis on body alignment/placement. Correct body alignment and stance will be stressed throughout the semester. Class will be taught in the classically accepted manner of learning ballet technique with movement phrases demonstrated by the instructor then practiced by the student to musical accompaniment. Movement vocabulary designed to improve and enhance each dancer's

strength, coordination and flexibility will be included in each class.

DANCE 32, Ballet 2 **2 units**

Transfer: UC, CSU

- *Prerequisite: Dance 31 or Equivalent Experience.*

This course offers a beginning/intermediate level of classical ballet technique with an emphasis on further developing aesthetic concepts and principles of classical ballet technique learned in Dance 31. Correct body alignment and stance will continue to be stressed throughout the semester and technique combinations will be added with the goal of mastering new steps and terminology introduced in barre and centre sequences. Class will be taught in the classically accepted manner of learning ballet technique with exercises demonstrated by the instructor then practiced by the student to musical accompaniment. Movement phrases to improve and enhance strength, flexibility and endurance will be included in each class.

DANCE 33, Ballet 3 **2 units**

Transfer: UC, CSU

- *Prerequisite: Dance 32 or Equivalent Experience.*

This course is designed to introduce the concepts and principles of classical ballet technique at the intermediate level. Dance 33 is taught in the classically accepted manner of learning ballet technique. Exercises at the barre and centre will incorporate combinations of movements practiced to various musical rhythms and dynamics. This course facilitates students learning of other dance styles, and prepares the dancer for stage performance experience. This class is intended for dance majors.

DANCE 34, Ballet 4 **2 units**

Transfer: UC, CSU

- *Prerequisite: Dance 33 or Equivalent Experience.*

This course is designed for students to continue to master concepts and principles of intermediate ballet technique with an emphasis on the development of improving technical ability. Exercises at the barre and the centre will continue to incorporate combinations of movements practiced to various musical rhythms and dynamics. This course will introduce concepts of dance kinesiology and injury prevention as well as prepare the dancer for stage performance experience. This class is intended for dance majors.

DANCE 35, Ballet 5 **2 units**

Transfer: UC, CSU

- *Prerequisite: Dance 34 or Equivalent Experience.*

This course is designed for the students with a sound understanding and mastery of ballet technique at an intermediate/advanced level of ability. Extensive ballet terminology, complex combinations of movements, diverse musical rhythms and dynamics will be introduced throughout the semester. This course will emphasize strengthening the student's technical ability and preparing the student for study at the advanced level of ballet technique. Study of kinesiology and injury prevention will be included as well as preparation for stage performance experience. This class is intended for dance majors.

DANCE 36, Ballet 6 **2 units**

Transfer: UC, CSU

- *Prerequisite: Dance 35 or Equivalent Experience.*

This course is designed for the student at the advanced level of ballet technique. Emphasis is placed on maintaining the advanced level of technique the dancer has achieved. Extensive ballet terminology, intricate movement combinations, diverse musical rhythms and dynamics will be centered both at barre and centre. This course will prepare students for auditions and stage performance experience in professional fields, as well as guide the student to devise the movement combinations for the class in anticipation of future teaching responsibilities. Study of kinesiology and injury prevention will continue to be included. Students majoring in dance should prepare audition for transfer. This class is intended for dance majors.

DANCE 37, Beginning Pointe **1 unit**

Transfer: UC, CSU

- *Prerequisite: Dance 36 or Equivalent Experience. Instructor approval required.*

This course introduces the advanced ballet student to the basics of beginning pointe work. Topics covered include placement and strength-building exercises, selection of proper footwear, and barre and center work in soft shoes and en pointe.

DANCE 38, Intermediate Pointe **2 units**

Transfer: UC, CSU

- *Prerequisite: Dance 37 or Equivalent Experience. Instructor approval required.*

This course introduces advanced ballet students to the intermediate level of pointe work. Students work on placement, body alignment and barre and center work en pointe at the intermediate level. Students will learn selected classical variations necessary for transfer and professional auditions. This class is intended for dance majors.

DANCE 41, Contemporary Modern Dance I **1 unit**

Transfer: UC, CSU

- *Prerequisite: None.*

This course is a beginning level of modern dance technique with an emphasis on body alignment/placement, an introduction to body awareness, movement in space, and modern dance terminology. Technique, placement and creative experiences, along with correct body alignment and stance will be stressed throughout the semester. Stretching exercises to improve and enhance each dancer's strength, limberness and flexibility will be included.

DANCE 42, Contemporary Modern Dance 2 **2 units**

Transfer: UC, CSU

- *Prerequisite: Dance 41 or Equivalent Experience.*

This course offers a beginning/intermediate level of modern dance technique with an emphasis on further developing aesthetic concepts and principles of movement learned in Dance 41. Correct body alignment and stance will continue to be stressed throughout the semester and technique combinations will be added with the goal of mastering new steps and terminology. More complete use of body parts, complex movement phrasing and vocabularies, and new technical skills will be introduced in class.

DANCE 43, Contemporary Modern Dance 3 **2 units**

Transfer: UC, CSU

- *Prerequisite: Dance 42 or Equivalent Experience.*

This course is an intermediate level of contemporary modern dance technique with an emphasis on developing

technical and compositional skills. Dance 43 will embrace increased range of motion, more complex phrases with various musicality, and more in depth analysis of movement and choreography. This course is intended for dance majors.

DANCE 44, Contemporary Modern Dance 4 2 units

Transfer: UC, CSU

- *Prerequisite: Dance 43 or Equivalent Experience.*

This course is designed for students to continue to master concepts and principles of intermediate modern dance technique with an emphasis on the development of improving technical ability. Dance 44 introduces compositional skills, diverse movement phrases with different styles, changes of levels, and increased "air" skills with multiple turns. This class is designed to prepare students for stage performance experience. This class is intended for dance majors.

DANCE 45, Contemporary Modern Dance 5 2 units

Transfer: UC, CSU

- *Prerequisite: Dance 44 or Equivalent Experience.*

This course is an intermediate-advanced modern dance technique, continuation of dance 44. The ability to transfer, invert and do phrases in retrograde, as well as use dynamic physicality (high energy changes in levels and dynamics) is explored. Repertory excerpts are also included in this course. This class is designed to prepare students for stage performance experience. This class is intended for dance majors.

DANCE 46, Contemporary Modern Dance 6 2 units

Transfer: UC, CSU

- *Prerequisite: Dance 45 or Equivalent Experience.*

This course is designed for students at an advanced level of contemporary modern dance technique. Emphasis is placed on maintaining the advanced level of technique the dancer has achieved. The ability to transfer, invert and do phrases in retrograde, as well as use dynamic physicality (high energy changes in levels and dynamics) is explored. Original and traditional repertory excerpts are also included in this course. This class is designed to prepare students for stage performance experience. Students majoring in dance should prepare audition for transfer. This class is intended for dance majors.

DANCE 55A, Dance Performance – Modern 3 units

Transfer: UC, CSU

- *Prerequisite: Audition required.*
- *Corequisite: Any Ballet or Modern Dance Course (Dance 31-36, 41-46).*

The course offers performance experience and is organized as a modern dance company for concerts and dance productions. Students participate as dancers and choreographers. Students learn artistic expressions and movement composition from professional faculty, guest choreographers and student choreographers. Styles may include traditional modern, postmodern fusion, contemporary ballet, contemporary jazz, hip-hop, performance art and mixed media. Students develop new vocabulary and creativity from related dance-theatre forms for personal artistic expression. Students will participate in community outreach by performing in local schools, campus wide activities, as well as American College Dance Festival and other conferences. This performance class is intended for

dance majors. Recommended dance experience in Dance 33-36, 43-46, 61-63.

DANCE 55B, Dance Repertory – Modern 1 unit

Transfer: UC*, CSU

- *Prerequisite: Audition required.*
- *Corequisite: Any Ballet or Modern Dance Course (Dance 31-36, 41-46).*

*Maximum UC credit for Dance 55B and Dance 59A is 4 units.

This course offers students the opportunity to perform modern dance in repertory. Dance majors perform works in new and varied settings to a variety of audiences including the Jazz Music Series, Studio Stage Concerts, and community performances.

DANCE 55C, Modern Dance Staging Techniques 1 unit

Transfer: CSU

- *Prerequisite: None.*

This course provides on-site exploration and application of stage production skills (staging, lighting, make-up) for modern dance repertory performance. Students will also learn about the process of touring a production.

DANCE 57A, World Dance Performance 3 units

Transfer: UC, CSU

- *Prerequisite: Audition required.*
- *Corequisite: Any Ballet, World, or Modern Dance Course (Dance 21-36, 41-46).*

This course satisfies the Santa Monica College Global Citizenship requirement.

This course offers performance experience in a world dance company. World dance forms are learned, refined, and presented in order to experience cultural identity, preservation, and global citizenship. Students audition as dancers and choreographers. Students rehearse and perform styles of world dances which may include African, Mexican, Asian, European, American, Jazz, Tap, Middle Eastern, and Latin. Students work with faculty choreographers, as well as professional guest choreographers. Students will participate in community outreach by performing in local schools, campus wide activities, as well as American College Dance Festival and other conferences. This performance class is intended for dance majors. Recommended dance experience in Dance 15, 16 21-25, 27, 29, 33-36, 43-46.

DANCE 57B, Repertory World Dance 1 unit

Transfer: UC, CSU

- *Prerequisite: Audition required.*
- *Corequisite: Any Ballet, World, or Modern Dance Course (Dance 21-36, 41-46).*

This course offers students the opportunity to perform different world dance styles in repertory in a community outreach program. Dance majors perform works in new and varied settings to a variety of audiences and encourage and inform high school students who are potential college dance majors. Recommended dance experience in Dance 15, 16, 21-25, 27, 29, 33-36, 43-46.

DANCE 57C, World Dance Staging Techniques 1 unit

Transfer: CSU

- *Prerequisite: None.*

Students will learn stage production (staging, lighting, scenery, make-up) for world dance performance. Students

will also learn about the process of touring with a production.

DANCE 59A, Dance Performance – Ballet 3 units

Transfer: CSU, UC*

- *Prerequisite: Audition required.*
- *Corequisite: Any Ballet Course (Dance 31-38).*

*Maximum UC credit for Dance 55B and 59A is 4 units.

This course offers performance experience as a ballet dance company. Students audition, rehearse, and perform ballet. Students work with professional choreographers.

DANCE 60, Fundamentals of Choreography I 2 units

Transfer: UC, CSU

- *Prerequisite: None.*

This course explores the process of using movement to give outward expression of inner sensations and feelings. It includes techniques of releasing tensions, developing, imagery, improvisation, and discussion of aesthetic concepts.

DANCE 61, Fundamentals of Choreography 2 2 units

Transfer: UC, CSU

- *Prerequisite: Dance 60 or Equivalent Experience.*

This course is a continuation of Dance 60, further developing creative process and authentic movement. Emphasis is placed on the forming process, as well as developing and refining movement material. Individual studies and group improvisations are included.

DANCE 62, Fundamentals of Choreography 3 2 units

Transfer: UC, CSU

- *Prerequisite: Dance 61 or Equivalent Experience.*

A continuation of Dance 61, this course focuses on the forming process and compositional craft. Solos, duets, and trios are created using guided imagery and improvisation, as well as experimental approaches. Students study design concepts and dance forms. New dances are showcased at the end of the term.

DANCE 63, Fundamentals of Choreography 4 2 units

Transfer: UC, CSU

- *Prerequisite: Dance 62 or Equivalent Experience.*

A continuation of Dance 62, this course emphasizes choreography for ensemble. Choreographers investigate the interplay of spatial design, timing, and movement elements in creating a dance for a group. Sound score and basic costume further support the intention of the finished work showcased at the end of the semester.

DANCE 70, Dance Staging Technique 1 unit

Transfer: CSU

- *Prerequisite: None.*

This course is designed to develop stage production skills for dance performances. Students will learn how to transfer a dance work from the rehearsal studios to a professional stage, using the elements of staging, lighting, scenery/props, and make-up for various styles of dance productions. Students will also learn about the process of touring with a production, site selection and fundamentals of arts management.

DANCE 75, The Teaching of Dance for Children 3 units

Transfer: CSU

- *Prerequisite: None.*

This course, the study of developmentally appropriate creative movement experiences for children, gives students methods to guide creativity in the pre-K and elementary classroom and to develop dance lessons tied to specific subject areas. Students gain knowledge of the movement aspect of child development and how to use creative dance to research and teach subject matter across the pre- K and elementary curriculum. It covers the role of movement in developing children's physical, motor, emotional, and cognitive skills, and includes workshops and field experience in planning and implementing appropriate creative experiences with young children.

Dance 75 and ECE 75 are the same course. Students may receive credit for one but not both.

DANCE 79, Dance in New York City 1 unit

- *Prerequisite: Audition Required.*

This course provides a New York City study and lecture tour of dance schools, dance resources, and dance performances. Students will be introduced to one of the dance capitals of the world, attending backstage tours, company rehearsals and performances, and libraries and resource centers. They will also have the opportunity to attend dance classes, university transfer sites, and related arts events. This course covers information and experiences only available in New York City and is a valuable learning component for the career or university minded dance student.

DANCE 88A, Independent Studies in Dance 1 unit

Transfer: CSU

Please see "Independent Studies" section.

DANCE 88B, Independent Studies in Dance 2 units

Please see "Independent Studies" section.

DANCE 90A, Dance Internship 1 unit

Transfer: CSU

- *Prerequisite: None.*

Students must arrange an approved internship prior to enrolling in this class.

The Internship Program is designed to provide the student with "real life" experience in a Dance environment. Students will work with a local school to apply academic dance principles.

DANCE 90B, Internship in Dance 2 units

Transfer: CSU

- *Prerequisite: None.*

Students must arrange an approved internship prior to enrolling in this class. F-1 students must see the Immigration Coordinator at the International Education Center before enrolling.

The Internship Program is designed to provide the student with "real life" experience in a Dance environment. Students will work with a local school to apply academic dance principles.

Dance History and Appreciation

These courses are presented in a lecture format. These are not movement classes. Please see Dance classes. Students enrolled in Dance classes are required to purchase tickets for and attend a performance of both Synapse (Nov 6 & 8) and Global Motion (Nov 20 & 21) at the Broad Stage. For more information see www.smc.edu/dance.

DANCE 2, Dance in American Culture 3 units

Transfer: UC, CSU

IGETC AREA 3A (Arts)

- *Prerequisite:* None.
- *Skills Advisory:* Eligibility for English 1.

This course satisfies the Santa Monica College Global Citizenship requirement.

This course is a comparative and integrative study of world dance styles of the United States. Included is the study of Native American, European American, African American, Chicano/Latin American, and Asian American dance styles from their historical origins to the present. The study of dance traditions from both the technical and cultural perspective is presented in relation to social, theatrical and artistic dance. Observation and descriptive skills are learned through films, live performances and lectures.

DANCE 5, Dance History 3 units

Transfer: UC, CSU

IGETC AREA 3A (Arts)

- *Prerequisite:* None.
- *Skills Advisory:* Eligibility for English 1.

This course is a historical survey course which covers dance as a religious expression, social form and a performing art. Theatrical, social, and sacred ritual is investigated in different historic periods and places, predominately within Western civilization. Time periods covered include Ancient Egypt, Classical Greek, Dark Ages, Middle Ages, Renaissance, Baroque, Rococo, Romantic, Neo-Classic, and 20th Century. Styles and schools of thought include ballet, modern dance, jazz and tap, and world dance forms. Attendance of dance productions for which students must purchase tickets is required.

DANCE 7, Music for Dance 3 units

Transfer: UC, CSU

- *Prerequisite:* None.

This course focuses on the relationship between music and dance. Students investigate and learn music fundamentals, music and dance styles, improvisational and compositional skills for today's artistic world. Attendance at dance productions for which students must purchase tickets is required.

Early Childhood Education

Students taking Early Childhood Education and Education courses that include field work may be required to pay for Live Scan fingerprint processing and/or a TB test.

ECE 2, Principles and Practices of Teaching Young Children 3 units

Transfer: CSU

C-ID: ECE 120.

- *Skills Advisory:* Psychology 11.

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.

ECE 4, Language and Literature for the Young Child 3 units

Transfer: CSU

- *Prerequisite:* Early Childhood Education 2 and Psychology 11.

This course provides a developmental framework for planning and implementing experiences that support and extend children's abilities to use language as a means of communication, as a medium of creative expression and as a tool in the development of logical thought. It introduces techniques for assessing children's language skills and for developing a program to meet those needs through individual interactions and group activities. The course reviews the current research pertaining to language acquisition and pre-reading skills development within a culturally sensitive framework. Students will review children's literature and obtain practice in story selection, reading and storytelling to young children.

ECE 5, Math and Science for the Young Child 3 units

Transfer: CSU

- *Prerequisite:* Early Childhood Education 2 and Psychology 11.

This course applies child development principles to the planning of science and mathematics experiences for both typically and atypically developing young children. Emphasis is placed on understanding how children develop problem-solving skills, and on recognizing how teachers can facilitate inquiry-discovery experiences for young children with diverse learning styles and needs. Course work includes participation in experiments and field experiences in life sciences. Students are required to develop and provide developmentally and culturally appropriate activities in science and mathematics activities for young children.

ECE 8, Creative Experiences – Art, Music and Movement 3 units

Transfer: CSU

- *Prerequisite:* Early Childhood Education 2 and Psychology 11.

This course applies child development principles to planning multicultural art, music, and movement experiences for young children. It covers the role of art, music, and movement in developing children's physical-motor, social-emotional, and cognitive skills, with emphasis on providing conditions that encourage development of creativity and aesthetic awareness. Class work includes workshops and field experiences in planning and implementing appropriate creative experiences with young children.

ECE 9, Introduction to School-Age Child Care 3 units

Transfer: CSU

- *Prerequisite: Psychology 11.*

This course focuses on the dynamics of school-age children participating in before and after school programs. Developmentally appropriate activities for a diverse group of children between the ages of five and twelve are covered including homework and study skills. State regulations, community resources, nutrition, behavior management, program planning, environment and staff development are covered within a culturally sensitive framework. The importance of literacy is stressed throughout the course.

ECE 10, Developing Literacy 3 units

- *Prerequisite: Psychology 11.*
- *Advisory: English 1.*

Students are instructed in ways to better teach literacy and literature to children. In addition to examining how children learn and develop reading skills, students will be taught literary structure, myth, archetypes, and semiotics to help them better understand socialization, equity and gender issues, identity, verbalization, vocabulary, and self-expression in children. The course is specifically designed for students who are or aspire to become preschool and/or K-grade-7 educators, tutors, and counselors.

ECE 11, Child, Family and Community 3 units

Transfer: UC, CSU

C-ID: CDEV 110.

IGETC Area 4 (Social and Behavioral Sciences)

This course satisfies the Santa Monica College Global Citizenship requirement.

This course is an examination of the developing child in a societal context focusing on the interrelationship of family, school and community with an emphasis on historical and socio-cultural factors. Studies of family systems in contemporary society as they impact children and their individual heritage, diverse culture, ability and language will be examined highlighting at least three major American cultures (Latino American, African American, Asian American, Native American, and European American). The processes of socialization and identity development will be highlighted showing the importance of respectful, reciprocal relationships that support and empower families.

ECE 17, Introduction to Curriculum 3 units

Transfer: CSU

C-ID: ECE 130.

- *Prerequisite: None.*

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 fostering the joy of learning role of play. An overview of content areas will include but not limited to: Language and literacy, social and emotional learning, sensory learning, art, music and creativity, math and science.

ECE 18, Childhood: Culture and Personality 3 units

Transfer: UC, CSU

IGETC AREA 4G (Social & Behavioral Sciences)

- *Prerequisite: None.*

This course satisfies the Santa Monica College Global Citizenship requirement.

This course summarizes anthropological and psychological theories, methods and data. These are used to show the relationship between critical aspects of culture and the personality development of children, adolescents and adults. Comparisons of child rearing in different societies illustrate the role of myths, play, nutrition, education, and family in socialization. Inter-culture contact is discussed in relation to individuals and conflict in U.S. schools. Wherever possible, at least three cultures found within the California school systems, including but not limited to, Asian, Native American and Hispanic families are examined.

Early Childhood Education 18 is the same course as Psychology 18. Students may receive credit for one, but not both.

ECE 19, Teaching in a Diverse Society 3 units

Transfer: CSU

C-ID: ECE 230.

- *Prerequisite: None.*

This course satisfies the Santa Monica College Global Citizenship requirement.

Examination of the development of social identities in diverse societies including theoretical and practical implications of oppression and privilege as they apply to young children, families, programs, classrooms and teaching. Students will recognize and contrast cultural and historical perspectives of at least 3 American cultural groups (Latino American, African American, Asian American, Native American and European American) to promote understanding, knowledge, and skills for educating children in a pluralistic society. Various classroom strategies will be explored emphasizing culturally and linguistically appropriate anti-bias approaches supporting all children in becoming competent members of a diverse society. The course includes self-examination and reflection on issues related to social identity, stereotypes and bias, social and educational access, media and schooling.

ECE 20, High Scope Key Experience Curriculum 3 units

Transfer: CSU

- *Prerequisite: None.*

This course outlines the foundational principles of the High/Scope Preschool Curriculum which is an open-framework model derived from Piagetian theory. This curriculum views children as active learners who learn best from activities that they themselves plan, carry out, and reflect upon. The children are encouraged to engage in a variety of key experiences that help them to make choices, solve problems, and actively contribute to their own development.

ECE 21, Observation and Assessment 4 units

Transfer: CSU

C-ID: ECE 200.

- *Prerequisite: Psychology 11, Early Childhood Education 2 and 11, and one of the following: Early Childhood Education 4, 5, 8, 17.*

This course is a supervised field experience which focuses on the appropriate use of assessment and observation strategies to document development, growth, play and learning to join with families and professionals in promoting children's success. Recording strategies, rating systems, portfolios, and multiple assessment tools are explored. Students will also be required to complete 17 days of supervised field experience in an early childhood setting (a mini-

mum of 51 hours, 1 day equals 3 or more hours). Students are required to have a current TB test and Current Livescan completed at SMC OR a current California Commission on Teacher Credentialing Certificate of Clearance OR current CA Child Development Permit. Students must bring a copy of their TB test and Livescan to class by the second class meeting.

The hours of this course may be applied toward the Experience Requirement of the Child Development Teacher Permit.

ECE 22, Practicum in Early Childhood Education **5 units**

Transfer: CSU
C-ID: ECE 210.

- *Prerequisite: Early Childhood Education 21.*

This course is a demonstration of developmentally appropriate early childhood teaching competencies under guided supervision. 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. A current TB test and live scan will be required. Students will also be required to complete 33 days in an early childhood setting. (1 day equals 3 or more hours.)

ECE 23, Practicum in Early Intervention **5 units**

Transfer: CSU

- *Prerequisite: Early Childhood Education 45 and 49.*

In a fieldwork setting and under the supervision of an early intervention specialist, students will gain practical experience in order to make connections between theory and practice, develop professional behaviors, and build a comprehensive understanding of young children with special needs and their families. Focus on evidence-based practices in meeting the individualized needs of children in inclusive and natural environments will be stressed. Students will function in the role of an early intervention assistant in professional partnership with an interdisciplinary intervention team. Students will be required to complete 30 days (total 90 hours, 1 day equals 3 or more hours) in an early intervention program, early childhood special education setting or an early childhood setting that includes young children with special needs. Students must bring evidence of a current SMC livescan form or California Commission on Teacher Credentialing Certificate of Clearance or current CA Child Development Permit and a TB test clearance on the first day of class.

ECE 30, Children with Challenging Behaviors **3 units**

Transfer: CSU

- *Prerequisite: None.*

This course provides an overview of the developmental, environmental and cultural factors that impact the behavior of children, including family stressors, temperament, violence, attachment disorders, and special needs. Topics include reasons for misbehavior, the importance of documented observation, and creating positive environments to encourage appropriate behavior. Intervention techniques for highly aggressive, antisocial, disruptive, destructive,

emotional and dependant behaviors as well as proactive intervention and prevention techniques will be presented.

ECE 32, Communicating with Families **3 units**

Transfer: CSU

- *Prerequisite: None.*

This course will enhance the capacity of early childhood educators to communicate effectively with families about development and developmental concerns. Topics covered will include an overview of typical and atypical child development, parenting and social challenges faced by families of children with special needs, the importance of developmental screening and effective communication strategies for working with families. The ultimate goal of the course is to enhance the relationships between parents and the providers who serve them.

ECE 41, Administration 1: Programs in Early Childhood Education **3 units**

Transfer: CSU

- *Prerequisite: Early Childhood Education 2, 11, 21, 22 and Psychology 11.*
- *Advisory: Experience as an early childhood teacher.*

Introduction to the administration of early childhood programs. Covers program types, budget, management, regulations, laws, development and implementation of policies and procedures. Examines administrative tools, philosophies, and techniques needed to organize, open, and operate an early care and education program. This course meets the requirements of the State Department of Social Services for directors of programs under their supervision.

ECE 43, Administration 2: Personnel and Leadership in Early Childhood Education **3 units**

Transfer: CSU

- *Prerequisite: Early Childhood Education 41.*

Effective strategies for personnel management and leadership in early care and education settings. Includes legal and ethical responsibilities, supervision techniques, professional development, and reflective practices for a diverse and inclusive early care and education program.

ECE 44, Introduction to Family Day Care **1 unit**

- *Prerequisite: None.*

This course covers current licensing, insurance, and record keeping requirements that affect the operation of family child care homes. The family child care home's unique capacity to create parent/child understanding and a parent/provider partnership will be explored. Students are introduced to child development principles and age-appropriate activities for both typical and atypical children suitable to small groups and home environments. Emphasis is placed upon community support systems for family childcare homes, NAEYC accreditation of family childcare homes and the use of the Reggio Emilia curriculum approach.

ECE 45, Introduction to Children with Special Needs **3 units**

Transfer: CSU

- *Prerequisite: None.*

This course introduces the variations in development of individuals with special needs, with special emphasis of children ages birth through eight and the resulting impact on families. It includes an overview of historical and soci-

etal influences, laws relating to children with special needs, and the identification and referral process. The course covers various categories of disability, including learning and physical disabilities, autism, mental retardation, behavioral disorders, communication disorders, visual and hearing impairments, attention deficit disorders and giftedness.

ECE 46, Infant and Toddler Development 3 units

Transfer: CSU

- *Prerequisite: Psychology 11.*

This course provides an in depth analysis of the physical, social, emotional and cognitive development of infants and toddlers in the context of family. Further, it explores the crucial role that parents and family play in the day to day experiences that promote this primary relationship in a child's life. Content covered will include assessment measures and direct observations of infants and toddlers which assist teachers and parents in the early identification of children with special needs including making appropriate referrals and providing culturally consistent care.

ECE 47, Developing Family Childcare 3 units

Transfer: CSU

- *Prerequisite: None.*

This course is designed to assist with planning and implementing a family child care business serving children from birth to school-age. Aspects of family childcare from both a care giving and business perspective will be addressed. Topics covered include environment, guidance, curriculum, legal implications, governing regulations, and business requirements. Another focus will be the development of a culturally sensitive and inclusive child-centered program. Effective communication methods between parents and providers as well as the connection of developmental theory to practice will be emphasized.

ECE 48, Adult Supervision and Mentoring in Early Education 3 units

- *Prerequisite: Early Childhood Education 2.*
- *Advisory: Early Childhood Education 21.*

Completing this course is one of the steps required to become a California Mentor Teacher. It does not guarantee automatic selection as a California Mentor Teacher.

Methods and principles of supervising student teachers, volunteers, staff, and other adults in early care and education settings. Emphasis is on reflective practice and the roles and development of early childhood professionals as mentors and leaders. California Commission on Teacher Credentialing requires this course for Master Teacher, Site Supervisor and Program Director Permits Option One. California ECE Mentor Teacher program requires this course in order to apply to the Mentor program. As a component of course work, this class requires 4 hours of time to complete an infant/toddler or preschool live observation using a standard assessment tool and creation of a plan for mentoring.

ECE 49, Curriculum and Strategies for Children with Special Needs 3 units

Transfer: CSU

- *Prerequisite: None.*

This course covers curriculum and intervention strategies for working with children with special needs in partnership with their families. Focus is on the use of observation and assessment, accommodations, and curriculum modifica-

tions in meeting the individualized needs of children in inclusive and natural environments. Included is the role of the culturally competent teacher in professional partnership with families and collaboration with interdisciplinary teams.

ECE 50A, Parent Skills Development 1 unit

Transfer: CSU

- *Prerequisite: None.*

An introductory course in parenting skills based on principles of child development, with a focus on active listening, problem solving, developmentally appropriate expectations and discipline techniques. Course will include assessment of parenting programs, strategies and techniques. The course will highlight components for creating a nurturing home environment through the life cycle. This course offers up-to-date information on human development, mental health, and social health as it relates to parenting.

ECE 51, The Reggio Approach 3 units

Transfer: CSU

- *Prerequisite: None.*

In cooperation with the State Commission of Teacher Credentialing, this course will focus on the theories, research, and practical application of the Reggio Emilia Approach as applicable to early childhood education in the U.S. The key concepts of collaboration between parents, teachers and children; observation of how children construct theories; documentation and reflection of the learning process; the expanded role of the teacher as a co-creator of knowledge, and the examination of the impact of the environment in facilitating children's learning will be studied.

ECE 54, Documentation: Making Learning Visible 3 units

Transfer: CSU

- *Prerequisite: None.*

Formerly ECE 52.

This course highlights documentation as a process focusing on children's experiences, thoughts and ideas during the course of their investigations, experiences, play, and relationship building. Documentation sharpens and focuses teacher's own awareness of their role in further supporting children's experiences and development. Pedagogical documentation is about the ongoing process of reflection and being intentional. Students will be introduced to the forms, tools, and uses of documentation as well as the elements by which effective documentation can make learning visible to children, parents and teachers.

ECE 55, Environment As The Third Teacher 3 units

Transfer: CSU

- *Prerequisite: None.*

Formerly ECE 53.

This course highlights the elements that can stimulate, sustain, enhance, or detract from living and learning in an early childhood classroom or outdoor space. This course includes principles of architecture and design based on the elements of Rating Observation Scale for Inspiring Environments tool. The elements of the environment as they support relationships, engage senses, help create connections, promote literacy, and numeracy support problem solving, and provide intellectual and physical challenges, will be explored. In addition environments will be evalu-

ated for elements including osmosis, sensory integration, flexibility, transparency, and narration.

ECE 61, Teacher/Child Interactions **3 units**

Transfer: CSU

- *Prerequisite: None.*

The early childhood years are critical for children to gain knowledge and skills that provide the foundation for later learning. Young children learn through the interactions they have with their teachers. This course is intended to increase students' knowledge about the vital role that teacher-child interactions play in learning and skill acquisition. Because language and early literacy skills are the gatekeepers for later school success, this course will also provide students with the knowledge they need to effectively implement language and literacy curricula through meaningful and intentional teacher-child interactions.

ECE 64, Health, Safety and Nutrition for Young Children **3 units**

Transfer: CSU

C-ID: ECE 220.

- *Prerequisite: None.*

Introduction to 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. Focus on integrating the concepts into everyday planning and program development for all children.

ECE 70, The Hanen Language Program **3 units**

Transfer: CSU

- *Prerequisite: None.*

This course teaches the methods of the Hanen Centre's "Learning Language and Loving It" research based program designed to facilitate language acquisition skills in young children. It provides students with a step-by-step approach to promoting children's social, language and literacy development within everyday activities in early childhood settings. Students will learn how to create enriched interactive language-learning environments that include children with special needs, second language learners and those who are typically developing. This class requires students to have ongoing access to young children (any age from birth to 8) in a family child care or early childhood education program. Students will need access to a digital video camera in order to document their interactions with young children.

ECE 71, Infants and Toddler Education and Care **3 units**

Transfer: CSU

- *Prerequisite: None.*

This course applies current theory and research to the care and education of infants and toddlers in group settings. It examines essential policies, principles and practices that lead to quality care and developmentally appropriate curriculum for children birth to 36 months. It will include basic principles of care giving, arrangement and equipping the environment; working with other staff, parents and the community; identifying children with special needs and making appropriate referrals, and providing culturally consistent care.

ECE 75, The Teaching of Dance for Children **3 units**

Transfer: CSU

- *Prerequisite: None.*

This course, the study of developmentally appropriate creative movement experiences for children, gives students methods to guide creativity in the pre-K and elementary classroom and to develop dance lessons tied to specific subject areas. Students gain knowledge of the movement aspect of child development and how to use creative dance to research and teach subject matter across the pre-K and elementary curriculum. It covers the role of movement in developing children's physical, motor, emotional, and cognitive skills, and includes workshops and field experience in planning and implementing appropriate creative experiences with young children.

ECE 75 and Dance 75 are the same course. Students may receive credit for one but not both.

ECE 88A, Independent Studies in Early Childhood Education **1 unit**

Transfer: CSU

Please see "Independent Studies" section.

ECE 88B, Independent Studies in Early Childhood Education **2 units**

Transfer: CSU

Please see "Independent Studies" section.

Economics

Some of the courses listed in this section are accompanied by Supplemental Instruction. Supplemental Instruction (SI) is an academic assistance program that utilizes free peer-assisted weekly study sessions to help students learn the most difficult course content. For more information, please see the SI website at www.smc.edu/si.

ECON 1, Principles of Microeconomics **3 units**

Transfer: UC, CSU

C-ID: ECON 201.

IGETC AREA 4B (Social & Behavioral Sciences)

- *Prerequisite: MATH 31 or MATH 49.*
- *Skills Advisory: Eligibility for English 1.*

This course introduces students to the supply and demand model, the concept of elasticity, productivity and cost structures. Within the Supply and Demand framework, the class studies the impact of government intervention on markets. The class evaluates alternative market structures in terms of prices, efficiency, and the role of the government.

ECON 2, Principles of Macroeconomics **3 units**

Transfer: UC, CSU

C-ID: ECON 202.

IGETC AREA 4B (Social & Behavioral Sciences)

- *Prerequisite: MATH 31 or MATH 49.*
- *Skills Advisory: Eligibility for English 1.*

This course introduces students to measurement of economic aggregates, economic models, and economic policy. Measures of economic aggregates include: GDP, the unemployment rate, the GDP Deflator, and the Consumer Price Index. The Great Depression is used as an introduction to macroeconomic policy. The course covers the tools of fiscal and monetary policy and their impact on aggregate

demand, prices, income and interest rates. Additionally, the course introduces students to following models: Classical, Keynesian, Monetarist, and Supply Side with their corresponding policy implications and recommendations.

ECON 5, International Political Economy: Introduction to Global Studies 3 units

Transfer: UC, CSU

IGETC AREA 4 (Social and Behavioral Science)

- Prerequisite: None.
- Skills Advisory: Eligibility for English 1.

This course satisfies the Santa Monica College Global Citizenship requirement.

This course offers an interdisciplinary introduction to the fields of Global Studies and International Political Economy. Students will analyze critically the role of national governments, international organizations, nongovernmental organizations, and multinational corporations, in regard to phenomena such as, international markets and production regimes, monetary and trade policy, international and global conflict, and environmental degradation. Contending theoretical and ideological perspectives regarding international systems, processes, and trends will be applied and evaluated.

Economics 5 is the same course as Political Science 5 and Global Studies 5. Students may earn credit for one, but not both.

ECON 6, Contemporary Economic Problems 3 units

Transfer: UC, CSU

IGETC AREA 4 (Social & Behavioral Sciences)

- Prerequisite: None.
- Skills Advisory: Eligibility for English 1.

This course stresses the application of economic theory to important current problems with special emphasis on the role of government and public policy in their resolution. Problems emphasized may include resource management, the environment, government expenditures, public programs, issues of growth and development, and various market irrationalities. This problem-oriented course allows for a detailed examination of significant 21st century domestic and global economic problems and provides students with the opportunity for extensive supervised research.

ECON 15, Economic History of the U.S. 3 units

Transfer: UC, CSU

IGETC AREA 4 (Social & Behavioral Sciences) OR 3B (Humanities)

+ satisfies CSU U.S. History graduation requirement

- Prerequisite: None.
- Skills Advisory: Eligibility for English 1.

This course offers a chronological study of American economic history by major areas including agriculture, industrial development, money, banking, and transportation. The roles of business, labor, and government are given a particular emphasis.

Economics 15 is the same course as History 15. Students may earn credit for one, but not both.

ECON 88A, Independent Studies in Economics 1 unit

Transfer: CSU

Please see "Independent Studies" section.

ECON 88B, Independent Studies in Economics 2 units

Transfer: CSU

Please see "Independent Studies" section.

ECON 90A, Internship in Economics 1 unit

Transfer: CSU

- Prerequisite: None.

Students must arrange an approved internship prior to enrolling in this class. F-1 students must see the Immigration Coordinator at the International Education Center before enrolling.

The Internship Program is designed to provide the student with "real life" experience in a public or private organization concerned with issues relating to areas in the social sciences. Students will work with the organization, agency, business, or institution (public or non-profit) to develop their understanding of and ability to apply the principles of economics.

ECON 90B, Internship in Economics 2 units

Transfer: CSU

- Prerequisite: None.

Students must arrange an approved internship prior to enrolling in this class. F-1 students must see the Immigration Coordinator at the International Education Center before enrolling.

The Internship Program is designed to provide the student with "real life" experience in a public or private organization concerned with issues relating to areas in the social sciences. Students will work with the organization, agency, business, or institution (public or non-profit) to develop their understanding of and ability to apply the principles of economics.

Education

Students taking Early Childhood Education and Education courses that include field work may be required to pay for Live Scan fingerprint processing and/or a TB test.

There is a limitation of 6 units in Education that are transferable to the CSU. Please note, EDUC 1 and EDUC 2 are the courses recommended to students who wish to become teachers.

EDUC 1, Career Choices in Education 3 units

Transfer: UC, CSU

The course provides an introductory overview of the Early Childhood through 12th grade teaching profession. It will explore the philosophy, history and sociology of the American educational system with an emphasis on elements unique to the state of California. In addition, qualities of effective educators, elements and purposes of a professional portfolio, and critical issues in diverse contemporary classrooms will be addressed. Students will record school site observations that will be archived to a professional e-portfolio. Portfolio training will be provided within the course.

Students will perform up to 20 hours of field work in a school classroom.

EDUC 2, The Early Childhood through 12th Grade Teaching Experience 3 units

Transfer: UC, CSU

This course builds upon the foundation of Education 1. Students will gain actual tutoring experience with K through 12th graders and document observations of their experiences. Special attention to teaching strategies, observation techniques, and engaging children with diverse learning styles and needs will be emphasized. Examination of personal suitability for the teaching profession, preparation for state teacher exams and transfer to four year institutions to complete teaching credentialing will be discussed. The professional E-portfolio training will be continued from Education 1.

T.B. Test and fingerprint clearance required for class participation (fingerprint fee TBA).

EDUC 20, Exceptional Children in School 3 units

Transfer: CSU

- *Prerequisite: None.*

This introductory special education course provides an overview of skills necessary for paraeducators to support students with special needs. Based on the Professional Standards outlined by the Council of Exceptional Children for beginning special education paraeducators, students will develop competencies required for employment in the K-12 school system. Topics will include the Individualized Educational Program (IEP) process (legislation and implementation), instructional content and practices, curriculum modifications and accommodations, supporting the teaching and learning environment, managing student behavior and social interactions, and developing collaborative partnerships. Class content will be adapted to the needs of participants.

EDUC 24, Paraeducator Fieldwork Experience 5 units

Transfer: CSU

- *Prerequisite: Education 20.*

This course provides students with 90 hours of fieldwork experience working with students who have diverse learning needs and are served in a variety of educational settings. The class integrates theoretical models to real-life situations and affords students opportunities for supervised practice as a paraeducator in a K-12 classroom or special education setting. Fieldwork experiences focus on developing students' observation, collaborative, and teaching skills from a culturally and individually sensitive framework.

Energy Efficiency

Energy 1, Energy 2, and Energy 3 are part of a Certificate program within the Sustainable Technologies Program. Students interested in a degree or certificate in Recycling and Resource Management must attend the mandatory orientation on Monday, August 15, 2016 from 4:00-6:00pm in Bus 111. For more information email: Sustainabletechnologies@smc.edu, www.smc.edu/STP

ENERGY 1, Introduction to Energy Efficiency 3 units

- *Prerequisite: None.*

This course will present basic energy concepts, lighting fundamentals and identification of opportunities for efficiency changes in buildings. Topics include scientific principles of energy, light and heat, energy codes and standards, meter-

ing and monitoring. Students will examine the economic, regulatory, and infrastructure issues affecting implementation of energy efficiency measures as well as their potential for solving energy and environmental problems.

ENERGY 2, Residential Building Science 3 units

- *Prerequisite: None.*

This course will develop an intermediate level of understanding of energy efficiency concepts especially as they apply to reductions in residential energy consumption and the practice of Building Performance Analysis. This course will cover energy and power concepts, rate options, load profile understanding, an introduction to smart grid technology, deeper understanding of the principles of heat, air, and moisture movement in residential homes. Students will be introduced to the operation of energy audit equipment such as the blower door test, the duct blaster, and the combustion analyzer. Student will learn to identify CAZ zones (combustion air zones) and to structure the placement of the blower door and duct blaster and develop the procedure for measuring air leakage rates of a typical residential home.

ENERGY 3, Commercial Building Science 4 units

- *Skills Advisory: Energy Efficiency 1 and 2.*

This course examines energy efficiency concepts as they apply to reductions in energy consumption for commercial buildings. Assessment of building performance related to design, construction, and operation will be analyzed. Students will examine various gas and electric rate options, HVAC systems and types of high-intensity lighting. Load profiles, calculating return on investment, and life-cycle cost of commercial building energy retrofit measures are explored.

Engineering

ENGR 1, Introduction to Engineering 3 units

Transfer: UC (pending), CSU

- *Prerequisite: None.*

This course explores the branches of engineering, the functions of an engineer, and the industries in which engineers work. This course will also explain the engineering education pathways and explore effective strategies for students to reach their full academic potential. This course presents an introduction to the methods and tools of engineering problem solving and design, including the interface of the engineer with society and engineering ethics. Students will also develop communication skills pertinent to the engineering profession.

ENGR 11, Engineering Graphics and Design 3 units

Transfer: UC (pending), CSU

- *Prerequisite: Math 2.*

This course covers the principles of engineering drawings to visually communicate engineering designs. The course also serves as an introduction to computer-aided design (CAD). Topics include the development of visualization skills, orthographic projections, dimensioning and tolerancing practices, and an introduction to the engineering design process. Sketching, engineering drawings, and 3D CAD solid modeling skills are developed. The use of CAD software is an integral part of the course.

ENGR 12, Statics**3 units**

Transfer: UC, CSU

- *Prerequisite: Physics 21 and Math 7.*

This course covers basic principles of static equilibrium in two and three dimensions utilizing vector analysis and Newton's laws. Various structures are considered which include trusses, frames, machines, and beams.

ENGR 16, Dynamics**3 units**

Transfer: UC, CSU

- *Prerequisite: Engineering 12.*

This course addresses the kinematics and dynamics of particles and rigid bodies in two and three dimensions. Topics considered include universal gravitation, conservation laws, work-energy and impulse-momentum relations, and mechanical vibration.

ENGR 21, Circuit Analysis**3 units**

Transfer: UC (pending), CSU

- *Prerequisite: Physics 22; Prerequisite/Corequisite: Math 15 (Math 15 can be taken concurrently with Engineering 21).*

This course serves as an introduction to the analysis of electrical circuits through the use of analytical techniques based on the application of circuit laws and network theorems. The course covers DC and AC circuits containing resistors, capacitors, inductors, dependent sources, operational amplifiers, and/or switches. The analysis of these circuits include natural and forced responses of first and second order RLC circuits, the use of phasors, AC power calculations, power transfer, and energy concepts.

ENGR 22, Circuit Analysis Lab**1 unit**

Transfer: UC (pending), CSU

- *Prerequisite/Corequisite: Engineering 21.*

This course serves as an introduction to the construction, measurement, and design of elementary electrical circuits and basic operational amplifier circuits. Students gain familiarity with the basic use of electrical test and measurement instruments, including multimeters, oscilloscopes, power supplies, and function generators. Using principles of circuit analysis for DC, transient, and sinusoidal steady-state (AC) conditions, students develop data interpretation skills by using circuit simulation software and by direct measurements of circuits. Practical considerations such as component value tolerance and non-ideal aspects of laboratory instruments are also introduced.

English Composition – Group A

Courses below open to students in English Placement Group A. Assessment is required to determine class placement. See www.smc.edu/assessment.

Some of the courses listed in this section are accompanied by Supplemental Instruction. Supplemental Instruction (SI) is an academic assistance program that utilizes free peer-assisted weekly study sessions to help students learn the most difficult course content. For more information, please see the SI website at www.smc.edu/si.

ENGL 1, Reading and Composition 1**3 units**

Transfer: UC, CSU

IGETC AREA 1A (English Composition)

- *Prerequisite: English 21B or 22, ESL 21B or Group A on the Placement Test.*

This introductory course in rhetoric emphasizes clear, effective written communication and preparation of the research paper.

ENGL 31, Advanced Composition**3 units**

Transfer: UC, CSU

- *Prerequisite: English 1.*

This advanced writing course is intended especially for English majors and other students desiring to develop rhetorical skills beyond those practiced in English 1. It stresses critical analysis and argument, and focuses on style in effectively communicating with various audiences.

ENGL 48, Speed Reading and College Vocabulary**3 units**

Transfer: CSU

- *Prerequisite: Eligibility for English 1.*

This course is designed for college-level readers who wish to develop reading versatility, effectiveness and efficiency in reading and studying. It includes rapid reading applied to general materials, skimming, study-reading of college texts, an introduction to critical reading, and general vocabulary building.

ENGL 70, Technical Communication**3 units**

Transfer: CSU

- *Prerequisite: English 1.*

This course introduces students to the fundamental principles of technical communication, the process of creating, designing, and transmitting technical information to help people use it effectively. The course examines the essential rhetorical structure of scientific and professional texts. Using some of the latest technology, students will prepare specific types of documents commonly used in the academic and professional worlds, especially in the sciences, high technology, and environmental studies.

ENGL 90A, Internship in English**1 unit**

Transfer: CSU

- *Prerequisite: None.*

Students must arrange an approved internship prior to enrolling in this class. F-1 students must see the Immigration Coordinator at the International Education Center before enrolling.

The Internship Program is designed to provide the student with "real life" experience. Students will work with a local company to apply academic English principles.

ENGL 90B, Internship in English**2 units**

Transfer: CSU

- *Prerequisite: None.*

Students must arrange an approved internship prior to enrolling in this class. F-1 students must see the Immigration Coordinator at the International Education Center before enrolling.

The Internship Program is designed to provide the student with "real life" experience. Students will work with a local company to apply academic English principles.

ENGL 300, Advanced Writing and Critical Thinking in the Disciplines 3 units

- *Prerequisite: English 2 and admission to the SMC baccalaureate program.*

This course is open only to students who have been admitted to SMC's Bachelor of Science program in Interaction Design. See www.smcixd.org for more information. Transferability of this course will be determined on a case-by-case basis by the transfer institution.

Written and oral communications vary greatly between disciplines and fields. Building on the critical thinking and writing skills developed at the lower division level, this course further prepares students in the application of logical reasoning, analysis, and strategies of argumentation in both written and oral communication of content specific information. Students examine scholarly and professional readings and apply theoretical perspectives in a variety of modalities (genres and media) in a way that is targeted to specific audiences. Through critical analysis and review of appropriate literature, as well as complex writing assignments, students develop writing as a core aspect of academic and professional practice.

English Fundamentals - Group B

Courses below open to students in English Assessment Groups A and B. Assessment is required to determine class placement. See www.smc.edu/assessment.

Some of the courses listed in this section are accompanied by Supplemental Instruction. Supplemental Instruction (SI) is an academic assistance program that utilizes free peer-assisted weekly study sessions to help students learn the most difficult course content. For more information, please see the SI website at www.smc.edu/si.

ENGL 20, Reading and Writing 2 5 units

- *Prerequisite: English 85 OR English 81A and 83A.*

This course is designed to help students improve intermediate reading and writing skills necessary for college success. Students will increase their reading comprehension and vocabulary; they will build their understanding of patterns of organization used in academic writing, as well as their inferential reading techniques. Through the integrated study of reading and writing, students will develop an efficient writing process appropriate to audience and purpose. The course requires classroom work, weekly reading/writing lab work, and homework. In English 20, students will also review grammar and usage and develop skill in writing in-class, timed essays.

ENGL 21A, English Fundamentals 1 3 units

- *Prerequisite: Group B on the Placement Test.*

This course is the first semester of a two-semester course, English 21A/B. It consists of instruction in composition and the comprehension and analysis of readings, focusing on rhetorical strategies appropriate to audience and purposes in academic disciplines and the workplace. It also consists of a review of English grammar and usage.

ENGL 21B, English Fundamentals 2 3 units

- *Prerequisite: English 21A or ESL 21A or English 20.*

This course is the second semester of a two-semester course, English 21AB. It continues the study of composition, the fundamentals of English grammar and usage, and analysis of readings. Students will explore research techniques, as they write essays with multiple sources.

English 21B and 22: maximum of 3 units applied toward the SMC Associate degree.

ENGL 22, Writing Laboratory 3 units

- *Prerequisite: English 21A or English 20.*

This course provides extensive practice in composition, from pre-writing activities through rough drafts to final drafts, from single paragraphs to themes of several pages. Review of the fundamentals is assigned where needed.

English 21B and 22: maximum of 3 units applied toward the SMC Associate degree.

ENGL 23, Intermediate Reading and Vocabulary 3 units

- *Prerequisite: Group B on the Placement Test.*

This course is an intermediate course designed to improve the reading skills necessary for college success and is strongly recommended for all students who score at the B level on the English Assessment Test. It concentrates on techniques of comprehension, such as finding the main idea, recognizing details and patterns of organization, as well as inference and critical reading skills. It also focuses on vocabulary development, study reading techniques and reading rate and flexibility.

ENGL 24, Grammar Review 3 units

- *Prerequisite: Group A or B on the Placement Test.*

This course is an intensive review of the principles of grammar for students who want to increase their understanding of the fundamentals of English. The course is open to all students at the A or B level. Students may wish to take the course prior to or concurrently with an English composition or a Business English course.

English Skills - Group C

Courses below are open to English Placement Group C students. Assessment is required to determine class placement. See www.smc.edu/assessment. Course credit for Group C courses may not be applied towards the A.A. Degree.

ENGL 80, Reading Laboratory 3 units

- *Prerequisite: None.*

This course is designed for students with below-average reading skills. The course provides a comprehensive laboratory approach to developmental reading. It is addressed primarily to students who need long-term individualized work in reading. Following assessment, an educational plan and learning objectives will be designed for each student. Emphasis will be placed on word attack skills and comprehension. English 80 is offered Pass/No Pass.

ENGL 81A, Paragraphs to Essays 3 units

- *Prerequisite: None.*
- *Corequisite: English 83A or English 80.*

The principal objective of this course is to improve students' prewriting and writing skills. These skills involve sentence structure as well as the organized combination of sentences into paragraphs and basic essays. The class features

ENGLISH COURSE SEQUENCE

Core Courses

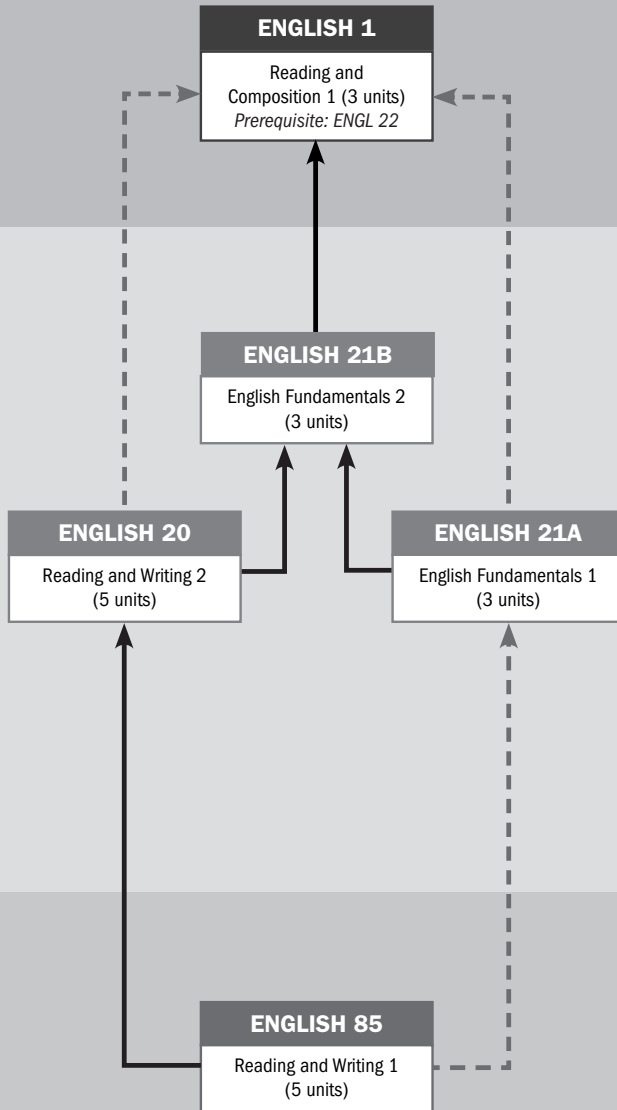
Optional Support Courses

Support courses below are recommended but not required. They can be taken in any order or concurrently with core courses within the same group.

GROUP A

GROUP B

GROUP C



Reading and Vocabulary

Composition, Grammar, & Editing

ENGLISH 48
Speed Reading and College Vocabulary (3 units)

Any Support Course from Group B

Reading and Vocabulary

Composition, Grammar, and Editing

ENGLISH 23
Intermediate Reading and Vocabulary (3 units)

ENGLISH 22
Writing Laboratory (3 units)
Prerequisite: ENGL 21A or 20

ENGLISH 24
Grammar Review (3 units)

**ENGL 23 is recommended for students taking English 21A. ENGL 21A & ENGL 23 may be taken simultaneously.*

Reading and Vocabulary

Composition, Grammar, and Editing

ENGLISH 84R
Reading and Vocabulary III (3 units)

ENGLISH 84W
The Basic College Essay (3 units)

ENGLISH 80
Reading Laboratory (3 units)

Course Descriptions

a scheduled group lab of two hours per week. Other areas covered include parts of speech, parts of the sentence, sentence patterns, basic sentence errors, and expansion of the paragraph to the basic essay.

ENGL 81B, The Basic Essay – Plus **3 units**

- *Prerequisite: English 81A.*
- *Corequisite: English 83B.*

English 81B reinforces and continues the writing effort begun in English 81A. In class and lab formats, 81B stresses the skills necessary to write basic three paragraph essays and short summaries. Sentence skills are reviewed and expanded.

ENGL 83A, Reading and Vocabulary I **3 units**

- *Prerequisite: None.*
- *Corequisite: English 81A.*

This course is designed to improve the basic reading skills necessary for college success. It is to develop reading comprehension by stressing comprehension, listening, word-attack skills, and patterns of organization. It also helps the student discover techniques for life-long vocabulary expansion with emphasis on a more skillful use of sentence clues. Students also learn study and test-taking skills. The course requires classroom work, lab work, and homework.

ENGL 83B, Reading and Vocabulary II **3 units**

- *Prerequisite: English 83A.*
- *Corequisite: English 81B.*

This course is for students who have earned credit in English 83A, but who need further development in vocabulary and comprehension skills, especially using context clues, drawing inferences, and distinguishing between fact and opinion. In addition, students focus on monitoring their reading, strengthening time management based on the evaluation of their performance in English 83A, and improving study-reading techniques, such as mapping.

ENGL 84R, Reading and Vocabulary III **3 units**

- *Prerequisite: English 83B.*
- *Corequisite: English 84W.*

English 84R is for students who have earned credit for English 83A but who need further development in reading comprehension, rate and vocabulary. English 84R serves as a bridge to English 23. The course focuses on (1) analytical skills (how to find the main idea and patterns of organization); (2) inferential skills; (3) critical reading (telling fact from opinion, evaluating writer's message and purpose); (4) textbook reading (reading graphic aids, underlining, outlining, mapping, and summarizing).

ENGL 84W, The Basic College Essay **3 units**

- *Prerequisite: Credit in English 81B or English 85.*

English 84W focuses upon the basic college essay and the prewriting techniques useful in its creation. Varieties of essays are studied as well as those sentence skills that aim to locate and correct major sentence errors. This class features a scheduled group lab of one hour per week.

ENGL 85, Reading and Writing 1 **5 units**

- *Prerequisite: None.*

This course is designed to improve basic reading and writing skills necessary for college success. Students will develop reading comprehension, vocabulary, patterns of organization, and inferential techniques, and employ these

skills in the prewriting and writing process. The integration of reading and writing enables students to apply what they have read to the writing process, starting with the paragraph and expanding to the basic essay. The course requires classroom work, lab work and homework. English 85 is offered as a credit/ no credit class.

English Literature

ENGL 2, Critical Analysis and Intermediate Composition **3 units**

Transfer: UC, CSU

C-ID: ENGL 105.

IGETC AREA 1B (English Composition- Critical Thinking) or 3B (Humanities)

- *Prerequisite: English 1.*

This course helps students to develop their critical thinking and writing skills beyond the level achieved in Reading and Composition 1. The course emphasizes the application of 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.

ENGL 3, World Literature 1 **3 units**

Transfer: UC, CSU

IGETC AREA 3B (Humanities)

- *Prerequisite: English 1.*

This course is a study of some of the masterpieces of world literature from Homer to Cervantes.

ENGL 4, World Literature 2 **3 units**

Transfer: UC, CSU

IGETC AREA 3B (Humanities)

- *Prerequisite: English 1.*

The course explores significant works of fiction, poetry, and drama from the Enlightenment to the present. In addition, the course examines the social, intellectual, and historical foundations that have shaped the literature of this period.

ENGL 5, English Literature 1 **3 units**

Transfer: UC, CSU

IGETC AREA 3B (Humanities)

- *Prerequisite: English 1.*
- *Advisory: English 2.*

This course traces the historical development of English literature from the Anglo-Saxon period through the end of the Neo-Classical Period in 1798.

ENGL 6, English Literature 2 **3 units**

Transfer: UC, CSU

IGETC AREA 3B (Humanities)

- *Prerequisite: English 1.*

A continuation of English 5, this course covers English literature from the Romantic Age to the 20th Century.

ENGL 7, American Literature 1 **3 units**

Transfer: UC, CSU

IGETC AREA 3B (Humanities)

- *Prerequisite: English 1.*

This course surveys American literature from its beginnings to the Civil War.

ENGL 8, American Literature 2 **3 units**

Transfer: UC, CSU

IGETC AREA 3B (Humanities)

- *Prerequisite: English 1.*

This course covers the period from the Civil War to World War II. This is a survey course in American literature, designed to introduce the students to a variety of the novels, short stories, and poems that make up the best of that literature.

ENGL 9, Literature of California **3 units**

Transfer: UC, CSU

IGETC AREA 3B (Arts and Humanities)

- *Prerequisite: English 1.*

This course satisfies the Santa Monica College Global Citizenship requirement.

This course provides a survey of the literary works of California, exploring prominent themes and motifs expressed by native and immigrant groups from the time of the Spanish conquest to the 1980s. It defines California literature and its influences on the American literary canon. Students will study and compare issues related to identity and geography, assimilation, family, class, and gender as they are reflected in the works by writers from at least four ethnic groups in the state, including but not limited to indigenous peoples, Chicanos/Latinos, European Americans, Asian Americans, and African Americans.

ENGL 10, Ethnic Literature of the U.S. **3 units**

Transfer: UC, CSU

IGETC AREA 3B (Humanities)

- *Prerequisite: English 1.*
- *Advisory: English 2.*

This course satisfies the Santa Monica College Global Citizenship requirement.

This course compares and contrasts the literature written by and about United States ethnic groups, primarily Native Americans, Asian Americans, African Americans, and Latino/Latina Americans, as well as European and Jewish Americans. Students will examine how writers from each of these groups contribute to the creation of cultural identity and spheres of influence: social, political, intellectual, and historical; and how they language a sense of place. Students will come to understand the significant influence of these writers on the development of an American literature.

ENGL 14, Contemporary American Literature **3 units**

Transfer: UC, CSU

IGETC AREA 3B (Humanities)

- *Prerequisite: English 1.*

This course surveys contemporary American literature since World War II, with special emphasis on the novel. The selected texts include some of the essential and recurring themes in the history of American literature reflecting a diverse and evolving landscape of gender, ethnic and race relationships. The course content also aims to closely examine current literary criticism and cultural studies in order to familiarize students with different approaches to the interpretation of texts.

ENGL 15, Shakespeare **3 units**

Transfer: UC, CSU

IGETC AREA 3B (Humanities)

- *Prerequisite: English 1.*

In this course, students read and analyze seven or eight of Shakespeare's most popular plays, as well as study his life, times, and theatre.

ENGL 17, Contemporary British Literature **3 units**

Transfer: UC, CSU

IGETC AREA 3B (Humanities)

- *Prerequisite: English 1.*

This course introduces the students to the variety and wealth of British literature since 1945. The course will focus on novels, short stories, plays, and poetry from among such authors as Angela Carter, Salman Rushdie, Seamus Heaney, and Jeanette Winterson. The course will cover topics such as gender, race, sexuality, and class as well as explore changes in style, genre, and literary experimentation. Discussion of relevant British music, films, fashion, and art will also be introduced.

ENGL 18, Children's Literature **3 units**

Transfer: CSU

- *Prerequisite: English 1.*

This course involves a critical analysis of storytelling for children with an eye on picture books, fairytales and myths, novels, and nonfiction books. Additionally, students will get a sense of what is required to create new stories for children and the value of children's books to child psychology and development.

ENGL 26, Introduction to the Humanities **3 units**

Transfer: UC, CSU

IGETC AREA 3B (Humanities)

- *Prerequisite: English 1.*

In this introduction to the humanities students will survey literature in conjunction with great works of art through the ages (painting, sculpture, music, architecture, dance) exploring how, at widely separated points in time, artists and writers have expressed and responded to cultural, political, and intellectual concerns of their day. In doing so, they will see literature in the context of other art forms. *English 26 is the same course as Humanities 26. Students may earn credit for one, but not both.*

ENGL 32, History and Literature of Contemporary Africa **3 units**

Transfer: CSU

- *Prerequisite: None.*

Formerly same course as History 30.

This course examines the works of African writers of the essay, the novel and shorter fiction, drama and poetry, with emphasis on the interpersonal, cultural, and political tensions of modern and post-modern Africa as expressed in its literature and history. It explores the universality of this literature while at the same time recognizing its sources in the conflicts of modern history and society.

ENGL 34, Afro-American Literature **3 units**

Transfer: UC, CSU

IGETC AREA 3B (Humanities)

- *Prerequisite: English 1.*

This course explores the works of African American writers of the essay, the novel and shorter fiction, drama and poetry, with emphasis on the particular nature of the American experience that they reveal.

ENGL 38, Literature of the Absurd 3 units

Transfer: UC, CSU
 IGETC AREA 3B (Humanities)
 • Prerequisite: English 1.

This course is an examination of the novel, short fiction, and drama which may be categorized as “absurd.” These writings portray humans as bewildered beings in an incomprehensible or meaningless universe.

ENGL 39, Images of Women in Literature 3 units

Transfer: UC, CSU
 IGETC AREA 3B (Humanities)
 • Prerequisite: English 1.

This course analyzes the images of women presented in fiction, poetry and drama in various historical periods. Special attention is given to the way women writers transform women’s psychological, sociological and political experience into literature, but course readings may also include male writers.

ENGL 40, Asian Literature 3 units

Transfer: UC, CSU
 IGETC AREA 3B (Humanities)
 • Prerequisite: English 1.

Major works of Asian literature will provide a window to the rich cultures of a fascinating part of the world. Students will study literature of at least four Asian countries. The course is designed to introduce students to the important values of the society, the major beliefs and traditions of the culture, and prominent motifs of the arts of these countries.

ENGL 41, Introduction to Asian American Literature 3 units

IGETC AREA 3B (Humanities)
 • Prerequisite: English 1.

This course will study the major literary works of Asian American writers who form the rich mosaic of contemporary American culture. Students will be introduced to the literature of at least four Asian American communities each semester. The course will explore the complex nature of the Asian American experience and locate the literature of these communities in the broader context of contemporary American literature.

ENGL 45, Asian Film, Literature, and Society 3 units

Transfer: UC, CSU
 IGETC Area 3B (Humanities)
 • Prerequisite: English 1.

This introductory course will study contemporary Asian literature and film as reflections of the cultural values and important social and political movements in some Asian countries. Students will study selected films and literature from at least three Asian countries each semester in order to highlight and explore the relationship between images and words, between the verbal text and the visual text.

ENGL 49, Asian Mythology, 3 units

Transfer: UC, CSU
 IGETC Area 3B (Humanities)
 • Prerequisite: English 1.

This course satisfies the Santa Monica College Global Citizenship requirement.

This course studies the major characters and tales from the mythologies of several Asian societies. A sort of ur-knowledge or ur-science, mythology in Asian societies is both an attempt to understand the nature of the cosmos and a human being’s place in it as well as a means of organizing relationships among people to form a cohesive, functioning society. The course takes a thematic approach to myths and legends from a variety of sources, especially literature and the visual arts, to examine humanity’s attempt to explain the unknown and the meaning of life: the beginning of the world, creation of living creatures, explanation of natural phenomena, relationships between gods and mortals, deeds of super heroes, duties of an individual in a society, death, and afterlife. The resonance of these mythological motifs and characters in modern Asian cultures will also be studied.

ENGL 50, Mythology 3 units

Transfer: UC, CSU
 IGETC AREA 3B (Humanities)
 • Prerequisite: English 1.

This course studies the major characters and tales from Greek and Roman mythology. It takes a thematic approach to myths and legends from a variety of sources, examining humanity’s attempt to explain the unknown: the beginning of the world, creation of living creatures, explanation of natural phenomena, relationships between gods and mortals, deeds of super heroes, testing, death, and afterlife. The emphasis is primarily on Western culture—Greek and Roman myths which have influenced literature and allied arts from earliest time.

ENGL 51, Literature of the Bible: Old Testament 3 units

Transfer: UC, CSU
 IGETC AREA 3B (Humanities)
 • Prerequisite: English 1.

This course provides an analytical and critical study of the Old Testament of the Bible, focusing on its component genres and literary qualities. Attention is given to how Biblical literature has been and can be interpreted, studied, and used. Representative types of Biblical literature are examined.

English 51 is the same course as Religious Studies 51. Students may receive credit for one, but not both.

ENGL 52, Literature of the Bible: New Testament 3 units

Transfer: UC, CSU
 IGETC AREA 3B (Humanities)
 • Prerequisite: English 1.

This course introduces the students to the variety and wealth of literature contained in the New Testament. Attention is given to the ways in which Biblical literature has been and can be interpreted, studied, and used. The various types of literature in the Bible are set forth and representative pages of each of these types are presented and examined.

English 52 is the same course as Religious Studies 52. Students may receive credit for one but not both.

ENGL 53, Latino Literature in the United States **3 units**

Transfer: UC, CSU

IGETC AREA 3B (Humanities)

- *Prerequisite: English 1.*

This course explores literature by Latino American writers whose primary purpose is to view life in the United States through the perspective of the Latino community. Through fiction, non-fiction, poetry, theater, and film, students study such topics as history, identity, culture, sexuality, and socio-political aspects of the ever-changing U.S. Latino community. The course studies the ways in which Latino Americans writing has been part of the fabric that is the United States, from the indigenous cultures of Mesoamerica through the turbulent 1960s in the U.S. and into the present, from Mexico, South and Central America, the Caribbean, New York to Los Angeles.

ENGL 54, Native American Literature **3 units**

Transfer: UC, CSU

IGETC AREA 3B (Humanities)

- *Prerequisite: English 1.*

Selected poems, short stories, novels, tribal tales, speeches, and memoirs of Native Americans will be examined to deepen the student's understanding of the experiences and perspectives of native peoples in American and native cultures.

ENGL 55, Modern Drama **3 units**

Transfer: UC, CSU

IGETC AREA 3A (Arts) or 3B (Humanities)

- *Prerequisite: English 1.*

Formerly same course as Theatre Arts 7.

This course surveys the work of the great modern dramatists, from Henrik Ibsen ("The Father of Modern Drama") through Edward Albee.

ENGL 56, 20th Century European Literature **3 units**

Transfer: UC, CSU

IGETC AREA 3B (Humanities)

- *Prerequisite: English 1.*

As a study of the 20th Century novel, this course includes the English novel and the European novel in translation.

ENGL 57, Latin-American Literature **3 units**

Transfer: UC, CSU

IGETC AREA 3A (Humanities)

- *Prerequisite: English 1.*

This course surveys 20th Century Latin-American literature. The poetry section begins with Dario and modernismo (1888-1910), postmodernismo (1910-1918) and vanguardismo (1918-1938): Neruda, Vallejo, Huidobro, Mistral, and Paz, among others, and concludes with postvanguardismo: Afro-Caribbean and other post-war poetic currents. Prose fiction will begin with realismo or criollismo (1880s-1930s), but will focus on the post-1940s, when Latin-American prose begins to enjoy international renown: Borges, Carpentier and Asturias, precursors to the "boom," then Fuentes, Sabato, Vargas Llosa, Donoso, Cortazar, and Garcia Marquez, whose works popularized "magic realism." The course will conclude with contemporary writers, such as Cabrera Infante, Allende, and Puig.

ENGL 58, Literature of Mexico **3 units**

Transfer: UC, CSU

IGETC AREA 3B (Humanities)

- *Prerequisite: English 1.*

This course surveys Mexican literature. It deals with pre-Columbian Aztec and Mayan writing, poetry from the colonial and independence periods, and nineteenth century romanticism, but will emphasize twentieth century literature as it evolves through Modernismo (1888-1912), Postmodernismo (1912-1918), Vanguardismo (1918-1938), and Postvanguardismo (1940s-1970s): Sor Juana Inez de la Cruz, Nervo, Velarde, Reyes, Pellicer, Paz, Castellanos, Sabines, and Pacheco, among other poets. The prose fiction section will begin with Azuela's 1915 novel of the revolution, but will focus on post-1940s writers: Rulfo, Arreola, Fuentes, and Paz. Contemporary poets and writers (1970s-present) will complete the course.

ENGL 59, Lesbian and Gay Literature **3 units**

Transfer: UC, CSU

IGETC AREA 3B (Humanities)

- *Prerequisite: English 1.*

This course is an introduction to Western European lesbian and gay literature. It begins with the Greeks and ends in the late 20th Century U.S.A. Through reading of poetry, essays, articles, and novels, the students will survey and analyze the broad expanse of lesbian and gay literature.

ENGL 60, English Seminar **3 units**

Transfer: *CSU

- *Prerequisite: English 2.*

This course allows students to study intensively, areas covered cursorily, if at all, in standard literature or composition classes. Students will explore primary works, source materials, and criticism in a seminar topic, giving oral presentations and writing critical analysis. Although the course is of particular importance for English majors, non-majors are also encouraged to take the course.

**UC transfer credit is contingent upon evaluation after transfer of the course by a UC campus. This course should not be used toward calculation of the minimum 60 units needed for admission to UC.*

ENGL 61, Introduction to the Fairy Tale **3 units**

Transfer: UC, CSU

IGETC AREA 3B (Humanities)

- *Prerequisite: English 1.*

This course is a survey of the history, scholarship, and transformations of the fairy tale. The course includes a thematic approach to the first fairy tale collections, examination of notable criticism, and a review of modern reinventions in literature, film, and new media.

English - Creative Writing

ENGL 30A, Beginning Creative Writing **3 units**

Transfer: UC, CSU

- *Prerequisite: English 1.*

This course is designed to introduce students to the craft and technique involved in writing short fiction and/or poetry.

ENGL 30B, Advanced Creative Writing 3 units

Transfer: UC, CSU

- *Prerequisite: English 30A.*

This course continues the student's training in the craft and technique of writing short fiction or poetry, and introduces creative non-fiction.

ESL – English for Second Language Speakers

For the following classes, assessment is required to determine class placement. See www.smc.edu/assessment. These classes are limited to students whose first language is not English.

ESL 10G, Multiple Skills Preparation: Listening, Speaking, and Grammar 6 units

- *Prerequisite: None.*

ESL 10G is a low-intermediate multi-skills course designed to improve the English language skills of non-native speakers. This course concentrates on listening, speaking, and grammar. It is recommended that students take this course concurrently with ESL 10W.

Course credit may not be applied toward satisfaction of Associate in Arts Degree requirements. It is recommended that students take this course concurrently with ESL10W.

ESL 10W, Multiple Skills Preparation: Reading and Writing 6 units

- *Prerequisite: None.*

ESL 10W is a low-intermediate multi-skills course designed to improve the English language skills of non-native speakers. This course concentrates on reading, writing, and computer assisted language learning (CALL). It is recommended that students take this course concurrently with ESL10G.

Course credit may not be applied toward satisfaction of Associate in Arts Degree requirements. It is recommended that students take this course concurrently with ESL10G.

ESL 11A, Basic English 1 6 units

- *Prerequisite: ESL 10G and 10W or Group C on the ESL Placement Assessment.*

Students who receive a final grade of "C" in ESL 10G or W should enroll in support courses (ESL14A/B, 15, 16A/B/C, 17) before taking ESL 11A or concurrently with ESL 11A.

ESL 11A is an intermediate, multi-skills course with an emphasis on paragraph writing for non-native speakers of English who have completed ESL 10G and ESL 10W or score at Level C on the SMC Placement Assessment.

ESL 11B, Basic English 2 3 units

Transfer: UC*, CSU

- *Prerequisite: ESL 11A.*
- *Skills Advisory: Students who receive a final grade of "C" in ESL 11A should enroll in support courses (ESL14A/B, 15, 16A/B/C, 17) before taking ESL 11B or concurrently with ESL 11B.*

**ESL 11B, 21A, 21B, and 25 combined: maximum credit 8 units.*

ESL 11B is an intermediate, multi-skills course for non-native speakers of English who have completed ESL 11A. It focuses on paragraph writing and introduces the essay.

ESL 14A, Pronunciation and Spelling: Vowel and Consonant Sounds 2 units

- *Prerequisite: ESL 10G and ESL 10W or placement in ESL 11A.*

This course offers the study and practice of the vowel and consonant sounds that are basic to North American pronunciation and speech style, and it emphasizes listening skills, auditory discrimination, and production of these sounds. It also introduces the spelling patterns in relationship to the vowel and consonant sounds. This course is appropriate for students at the ESL 11A level or higher.

ESL 14B, Pronunciation: Rhythm and Intonation 3 units

- *Prerequisite: ESL 10G and ESL 10W or placement in ESL 11A.*

This course is designed to help ESL students communicate more effectively by learning the rhythm and intonation patterns of standard North American English. The course includes a brief review of all vowel sounds and specific consonants

ESL 15, Conversation and Culture in the U.S. 3 units

- *Prerequisite: Group "C" on the English placement exam or successful completion of ESL 10G and 10W.*

This speaking/listening course for group "A", "B", and "C" level non-native speakers of English examines the cross cultural differences that affect communication. It prepares students to understand and speak English more clearly and fluently in pairs, groups, class discussions, interviews, panels, and speeches. Conversation techniques, vocabulary acquisition, and reading, critical thinking, and problem-solving skills are employed.

ESL 16A, The Noun System and Articles 1 unit

- *Prerequisite: ESL 10G and ESL 10W with a grade of C or better.*

This course helps non-native speakers of English to communicate effectively using the noun system (count, non-count, proper, common, singular, plural), modifiers and quantifiers (possessives; determiners: this, that, these, those), and articles (a, an, the). The course also helps students use correct subject-verb agreement.

**Course credit may not be applied toward satisfaction of Associate in Arts Degree requirements. concurrent enrollment in ESL 11A or B is recommended; however, this course is open to students whose assessment results are B or A.*

ESL 16B, Using Verb Tenses 1 unit

- *Prerequisite: ESL 10G and ESL 10W.*

Concurrent enrollment in ESL 11A or B is recommended; however this course is open to students who place at the A or B level.

This course helps non-native speakers of English to communicate effectively using verb forms including: present, past, future, perfects, passives, conditionals, and modals.

ESL 16C, Sentence Structure and Punctuation 1 unit

- *Prerequisite: ESL 10G and ESL 10W.*

Concurrent enrollment in ESL 11A or ESL 11B is recommended.

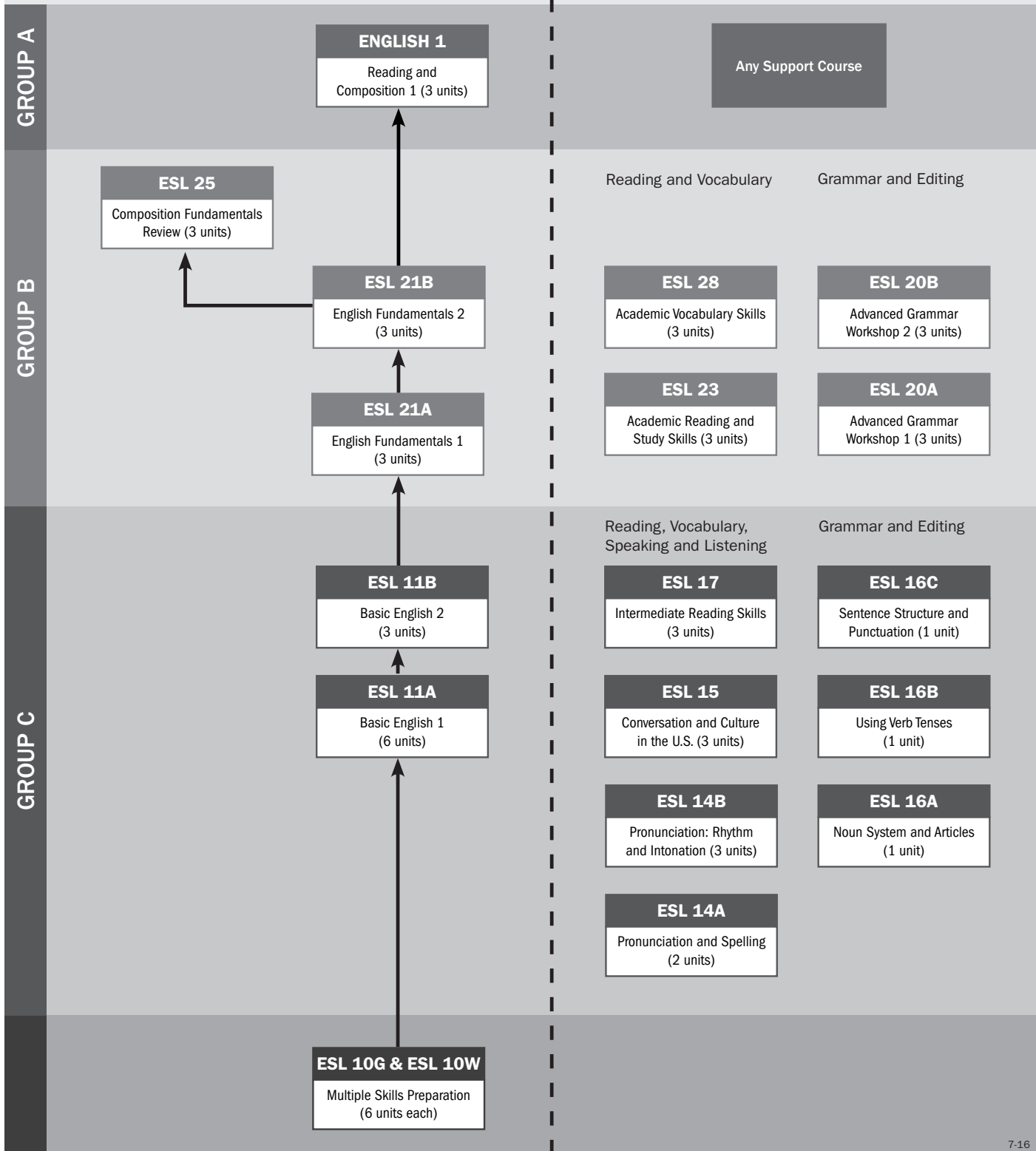
This course helps students whose first language is not English to construct grammatically correct sentences using appropriate punctuation. Students will learn to combine

ESL COURSE SEQUENCE

Core Courses

Optional Support Courses

Support courses below are recommended but not required. They can be taken in any order or concurrently with core courses within the same group.



Course Descriptions

sentence elements (clauses and phrases) to produce effective sentences.

ESL 17, Intermediate Reading Skills 3 units

- *Prerequisite: ESL 10G and ESL 10W or Group C on the ESL Placement Exam.*

This course is designed for intermediate students who want to improve their reading skills. Students will improve their reading comprehension and critical thinking skills by learning strategies such as previewing, skimming, scanning, and making inferences. They will learn how to identify main ideas and details and an author's purpose and tone. They will analyze passages from fiction and non-fiction. Students are encouraged to take ESL 17 concurrently with ESL 11A or 11B.

ESL 20A, Advanced Grammar Workshop 1 3 units

- *Prerequisite: ESL 11A/B.*
- *Skills Advisory: Concurrent enrollment in ESL 21A.*

This is the first half of an advanced ESL grammar course designed to increase students' grammar and editing proficiency. Students will recognize and employ more sophisticated language necessary for the successful completion of ESL/English 21A/B, ESL 25, English 22, and English 1. *Concurrent enrollment recommended in ESL/English 21A/B; ESL/English assessment Group B or A.*

ESL 20B, Advanced Grammar Workshop 2 3 units

- *Prerequisite: ESL 11A/B.*

This is the second half of an advanced ESL grammar course designed to increase students' grammar and editing proficiency. Students will recognize and employ more sophisticated language necessary for the successful completion of ESL/English 21A/B, English 22, and English 1. *Concurrent enrollment in ESL/English 21A or English 21B is recommended. English assessment Group B or A.*

ESL 21A, English Fundamentals 1 3 units

Transfer: UC*, CSU

- *Prerequisite: ESL 11B or appropriate score on the ESL Placement Assessment.*
- *Skills Advisory: Students who receive a final grade of "C" in 11B should enroll in support courses (ESL20A/20B, 23) before taking ESL 21A or concurrently with ESL 21A.*

**ESL 11B, 21A, 21B and 25 combined: maximum credit, 8 units.*

ESL 21A is an intermediate communicative writing course for non-native speakers. ESL 21A is the first part of the ESL 21A/B sequence.

ESL 21B, English Fundamentals 2 3 units

Transfer: UC*, CSU

- *Prerequisite: ESL 21A.*
- *Skills Advisory: Students who receive a final grade of "C" in ESL 21A should enroll in support courses (ESL20A/20B, 23, 28) before taking ESL 21B or concurrently with ESL 21B.*

ESL 21B is the second part of the ESL 21A/B sequence. It continues the emphasis of essay writing, editing of grammar and mechanical errors, reading, and critical thinking. **ESL 11B, ESL 21A, ESL 21B, and ESL 25 combined: maximum credit, 8 units.*

ESL 23, Academic Reading and Study Skills 3 units

- *Prerequisite: ESL 11B or placement in ESL 21A.*

This course is a high intermediate to advanced course designed for students seeking to improve their reading and study skills. It concentrates on helping students improve reading comprehension, reading rate and flexibility, study skills, and note taking. Students are encouraged to enroll in ESL 23 concurrently with ESL 20A, 20B, 21A and/or 21B. **Course credit may not be applied toward satisfaction of Associate in Arts Degree requirements.*

ESL 25, Composition Fundamentals Review 3 units

Transfer: UC*, CSU

- *Prerequisite: ESL 21B or placement in Group A.*

**ESL 11B, 21A, 21B and 25 combined: maximum credit 8 units.*

This course reviews and reinforces writing strategies including: the composing process, editing, and revision for English language. Extensive help will be given in vocabulary acquisition and word forms, sentence structure, word order, and citation of sources using MLA or APA.

ESL 28, Academic Vocabulary Skills 3 units

- *Prerequisite: ESL 11B or placement ESL 21A.*

This course is designed for students who wish to develop their techniques for understanding academic vocabulary and using English words idiomatically. It emphasizes context and usage of vocabulary from the Academic Word List (Coxhead 2000). Students will learn to comprehend and use approximately 200 words from the AWL to improve their reading comprehension, speaking, listening, and writing skills for academic success. It is designed for students at the 21A or 21B level or students who have placed in Group B on the ESL Placement Exam. Students are encouraged to enroll in ESL 28 concurrently with ESL 20A, 20B, 21A and/or 21B.

ESL – Noncredit

The following classes are noncredit and free. They do NOT carry academic credit or assign grades.

ESL 901: Beginning ESL

An integrated course including listening, speaking, reading and writing basic English. Course covers grammar-related activities; competency-based skills for real-life survival situations; understanding basic commands and introduction to American culture.

ESL 902: High Beginning ESL

An integrated course including listening, speaking, reading and writing basic English. Emphasis on: longer sentences; verb tenses; dialog; common idiomatic expressions; expanding vocabulary.

ESL 903: Intermediate ESL

An integrated course including listening, speaking, reading and writing basic English. Emphasis on: accuracy, fluency; greater facility with verb tenses; grammatical transformations; idiomatic expressions and increased vocabulary.

ESL 904: High Intermediate ESL

An integrated course including listening, speaking, reading and writing basic English. Emphasis on: comprehension and

fluency; increased vocabulary; improved spelling; development of paragraph writing skills.

ESL 905: Advanced ESL

Emphasis is placed on complex sentence structure, writing skills, grammar and syntax, oral interactions, functioning linguistically in complex social situations.

ESL 906: High Advanced ESL

This multi-skills course is designed for the high-advanced non-credit ESL student who is planning to matriculate to the College. In this course students continue to expand and refine their English skills, proficiency, and vocabulary. Students consolidate their understanding of English grammar and extend their awareness and command of the English language, in particular areas of syntax, semantics, and oral fluency. Students prepare to function in American society and take credit college courses.

ESL 911: Beginning Listening, Speaking and Pronunciation

This course is designed for the beginning ESL student. The focus is improvement of the student's pronunciation and comprehension of English through exercises which improve aural discrimination of sounds, build association of sounds with written letters; teach placement of lips, tongue and teeth for correct pronunciation; impart correct intonation and stress patterns; improve conversation skills; teach socio-cultural context for intonation and vocabulary.

ESL 913: Intermediate Listening, Speaking and Pronunciation

This course is designed for the intermediate ESL student. The focus is refinement of pronunciation and comprehension of English through exercises which improve aural discrimination of sounds; association of sounds with written letters; improve intonation, stress patterns and positions of mouth; improve and expand conversation skills and vocabulary; refine socio-cultural contact for intonation, vocabulary and subject matter.

ESL 915: Advanced Listening, Speaking and Pronunciation

This course is designed for the advanced ESL student. The focus is refinement of pronunciation; use and comprehension of English through exercises which improve and refine analysis and production of sounds, enrich fluency; and build the student's confidence in a wide variety of situations where a solid command of aural English is required.

ESL 961: Beginning Reading and Writing

This course is designed for the beginning ESL student and focuses on providing students with basic English vocabulary, reading comprehension, and writing skills. Students learn basic idiomatic expressions and grammatical structures, enabling them to: construct simple sentences and short paragraphs; use basic English vocabulary in real-life situations; demonstrate comprehension of different types of writing; and produce short (1- or 2-paragraph) writing samples.

ESL 963, Intermediate Reading and Writing

This course is designed for the intermediate ESL student, and focuses on improving students' English vocabulary,

reading comprehension, and writing skills. Students expand their knowledge of idiomatic expressions and grammatical structures, enabling them to: construct intermediate-level sentences and paragraphs; use more complex English vocabulary in real-life situations; identify and describe various types of writing; and produce medium-length (2- or 3-paragraph) writing samples.

ESL 965, Advanced Reading and Writing

This course is designed for the advanced ESL student. The course focuses on the analysis and comprehension of advanced-level English vocabulary, idiomatic expressions, and grammatical structures, enabling students to: construct complex sentences and paragraphs; use advanced-level vocabulary in real-life situations; analyze the content of various types of writing, including some literature; and understand and produce basic five-paragraph essays.

ESL 971: Beginning Idioms, Prepositions, and Vocabulary

This course is designed for the beginning ESL student. Students learn basic English vocabulary, idiomatic expressions, phrasal verbs, and grammatical structures, and begin engaging in simple dialogs and conversations that are culturally-appropriate and applicable to a variety of real-life situations.

ESL 973: Intermediate Idioms, Prepositions, and Vocabulary

This course is designed for the intermediate ESL student. Students build an intermediate-level English vocabulary, and expand their knowledge and use of idiomatic expressions, phrasal verbs, and grammatical structures. Students engage in intermediate-level dialogs and conversations that are culturally-appropriate and applicable to a variety of real-life situations.

ESL 975: Advanced Idioms, Prepositions, and Vocabulary

This course is designed for the advanced ESL student. The course focuses on enriching and refining students' knowledge and use of idioms, phrasal verbs, and vocabulary. Students learn advanced-level English vocabulary, idiomatic expressions, and grammatical structures, and engage in complex and culturally-appropriate dialogs and conversations.

Entertainment Technology

The following courses are open to enrollment by any student who has been accepted to the college except where prerequisites are indicated. Please call (310) 434-3700 or visit the Academy website at <http://academy.smc.edu> for information on admission to the Entertainment Technology program which offers courses in Animation, Game Development, Post Production, Visual Effects and Web Design. Internships are also available.

ET 2, Storytelling

3 units

Transfer: CSU

- *Prerequisite: None.*

This introductory critical thinking class covers the fundamentals of storytelling and story structure. Students will explore a general history of storytelling, from its pictorial roots of cave paintings to its modern forms in entertainment media. This class includes an overview of different cultures and how these cultures use story to entertain and disseminate social values. Emphasis will be on how story is used in modern Western society and how storytelling impacts moral issues. Guest lectures from the entertainment industry will come to share with the class their ideas on storytelling in modern media. Students will learn to prepare and tell effective stories.

ET 3, Principles of Project Management 3 units

Transfer: CSU

- *Prerequisite: None.*

Effective project management plays a key role in the execution and completion of interactive media projects. In this introductory course, students will learn step-by-step how a project develops and evolves through the project management process. Topics include planning, time management, risk management, team management, contract administration, and budgeting. Students will identify the components of a project management team, project manager roles and responsibilities, and organizational structures in interactive media. Case studies and problem solving will provide insight into practical applications of project management techniques.

ET 7, Entertainment Business Law 3 units

Transfer: CSU

- *Prerequisite: None.*

This course covers legal rights and responsibilities of individuals, agencies, partnerships, and corporations as they apply to contract law and concentrates on the entertainment industry. This course provides a broad overview of the legal issues arising in the day-to-day business of film, television, music, and new media. Students will gain an understanding of the various rights involved in the production and distribution of entertainment product, as well as the basics of rights acquisition and analysis. The course will also cover the legal relationships among talent, agents, managers, and attorneys and the laws governing entertainment professionals.

ET 11, Computer Skills for Digital Media 3 units

Transfer: CSU

- *Prerequisite: None.*

This introductory course covers the computer skills, concepts, and essential software needed to work successfully in the fields of computer animation and interactive media. Students will learn the use of general computer skills such as file organization for projects, keyboard shortcuts, using local area networks, and using proper file suffixes. Digital image concepts such as vector and raster images, color bit depth, and pixel dimensions will be introduced. Key software applications will be covered for raster image editing, vector image editing, audio, web browsing, and spreadsheets.

ET 13, 2D Game Prototyping 3 units

Transfer: CSU

- *Prerequisite: None.*
- *Advisory: Entertainment Technology 42.*

This computer-based course is focused on the design and implementation of successful prototypes for console, mobile and casual gaming platforms, and the Internet. Students will learn the fundamentals of software authoring for these platforms including interactive story telling, navigation metaphors, technical constraints, gaming basics, and usability. Students will gain experience working with media (text, graphics, animation, video, and audio), using authoring environments, and writing scripts to control interactivity. Students will design and implement game and software titles that can be included in their portfolios. *This course uses the Gamemaker gaming engine.*

ET 15, Beginning 3D Level Design 3 units

Transfer: CSU

- *Prerequisite: Entertainment Technology 24.*
- *Skills Advisory: Entertainment Technology 13.*

This course covers the fundamentals of game design and prototyping using 3D software authoring tools to incorporate various pre-existing static and dynamic game assets into original game levels. The focus of this class is on intelligent level design and creating script driven play mechanics to introduce interactivity and various game play elements. Students will plan and design levels effectively on paper before developing working 3D prototypes that can be play tested. Basic knowledge of 3D graphics is required. *This course uses the Unreal Engine 4.*

ET 17, Advanced 3D Level Design 3 units

Transfer: CSU

- *Prerequisite: Entertainment Technology 15, 25.*

This course covers the design and implementation of fully interactive and playable 3D game levels, focusing on concepts of advanced 3D level design such as particle effects, camera effects, post process effects and custom interface design. Students will use digital authoring techniques to prototype, playtest and revise their own original game levels. Knowledge of 3D modeling is required. *This course uses Unreal Engine 4 and Autodesk Maya.*

ET 18, Digital Storyboarding 3 units

Transfer: CSU

- *Prerequisite: Entertainment Technology 2.*
- *Skills Advisory: Entertainment Technology 11, 91, 92.*

This introductory course explores the fundamentals of the storyboarding process used in the entertainment industry. Through the use of computer software and the digital drawing tablet, students will learn the basic principles of visual storytelling including techniques such as staging, composition and camera movement. The class will analyze and discuss the various applications of digital storyboarding for games, web, 2D and 3D animation, and visual effects.

ET 19A, Beginning 2D Animation 3 units

Transfer: CSU

- *Prerequisite: None.*
- *Skills Advisory: Entertainment Technology 11, 91, 92.*

This introductory course teaches the basic principles of digital animation. Through lectures and projects, students will learn animation fundamentals such as timing, staging, squash and stretch, anticipation, follow through, overlapping action, arcs, and exaggeration. The material covered in this course serves as a foundation for advanced courses in games, web, 2D and 3D animation, and visual effects.

ET 19B, Advanced 2D Animation 3 units

Transfer: CSU

- *Prerequisite: Entertainment Technology 19A.*

This advanced course focuses on the tools and methods used to create digital character animation. Through lectures and projects, students will further their understanding and application of the 12 principles of animation such as timing, weight, anticipation, squash and stretch, overlapping action, exaggeration and staging. Students will be introduced to the basics of lip-synch and performance animation.

ET 20, Visual Development 3 units

- *Prerequisite: Entertainment Technology 2 and 18.*
- *Advisory: Entertainment Technology 91 and 94.*

This course explores the pre-production process used in the entertainment industry. Students will learn how to visually develop an idea for production. Areas covered by this course include story/concept development, art direction, writing, storyboarding, layout, sound design, and timing. Students will create an individual story bible, style guide and animatic based on an assigned theme. The course will also examine the differences in film, broadcast and video game production, and their impact on the design process.

ET 21A, Character Design 3 units

Transfer: CSU

- *Prerequisite: Entertainment Technology 37; Prerequisite/Corequisite: Entertainment Technology 20 (ET 20 can be taken concurrently with ET 21A).*

This course explores the process of designing compelling characters for entertainment projects. Students will learn how to develop characters in a variety of styles for 2D and 3D animation production. The course will emphasize the importance of self-expression in character design, and enable students to develop an effective personal style.

ET 21B, Environment Design 3 units

Transfer: CSU

- *Prerequisite: Entertainment Technology 20; Prerequisite/Corequisite: Entertainment Technology 91 and 94 (ET 91 and ET 94 can be taken concurrently with ET 21B).*

This course explores the process of designing compelling environments for entertainment projects. Students will develop strategies to understand, evaluate and create a variety of environments for 2D and 3D production. Topics covered include visual composition, perspective drawing, digital cinematography, and designing for interactive and virtual environments.

ET 21C, Prop and Vehicle Design 3 units

Transfer: CSU

- *Prerequisite: Entertainment Technology 20; Prerequisite/Corequisite: Entertainment Technology 91 and 94 (ET 91 and ET 94 can be taken concurrently with ET 21B).*

This course explores the process of designing compelling props and vehicles for entertainment projects. Students will learn how to visually develop concepts from initial sketches to final renderings of objects from the everyday mundane to the fantastic. Emphasis is placed on principles of three-dimensional drawing and the application of design research.

ET 23, 2D Character Animation 3 units

Transfer: CSU

- *Prerequisite: Entertainment Technology 19B.*

This course covers advanced techniques of digital character animation and performance. Through lectures and projects, students will learn to develop living characters that think and feel. This course presents an in-depth analysis of emotion and acting principles as applied to a digital character.

ET 24, 3D Fundamentals 4 units

Transfer: CSU

- *Prerequisite: None.*
- *Skills Advisory: Entertainment Technology 11.*

This introductory course provides a basic overview of the tools used in the creation of 3D digital animation. Topics covered include modeling, character rigging, animation, shading, lighting and rendering. This course emphasizes the fundamental concepts of 3D digital animation as well as an understanding of the software. In addition to completing weekly exercises, students will apply the skills they learn to create an individual project.

This course uses Autodesk Maya.

ET 24A, Introduction to 3D Animation 2 units

Transfer: CSU

- *Advisory: Entertainment Technology 11.*

This introductory course provides an overview of the tools available for the creation of 3D digital animation. Through a series of lectures and weekly exercises, students will be introduced to the basics of character rigging and animation. This course is intended for industry professionals who would like to gain an understanding of 3D software. The course material of ET 24A is similar to that of ET 24 but does not require a final project. Students who have completed ET 24 may use ET 24A as a review course.

This course uses Autodesk Maya.

ET 24B, 3D Character Animation 3 units

Transfer: CSU

- *Prerequisite: Entertainment Technology 24.*

This course focuses on the basic principles of character animation as applied to 3D characters. Techniques such as posing, timing, weight, anticipation, squash and stretch, overlapping action, and staging are covered. Students will also be introduced to the basics of performance animation. In addition to completing weekly exercises, students will apply the skills they learn to create an individual project.

This course uses Autodesk Maya.

ET 24C, Advanced 3D Character Animation 3 units

Transfer: CSU

- *Prerequisite: Entertainment Technology 24B.*

This course focuses on advanced principles of 3D character animation. Students will learn to create effective performance animation using the fundamentals of acting, staging and exaggeration. Advanced topics such as facial animation, lip-synch and motion capture will also be covered.

This course uses Autodesk Maya.

ET 25, 3D Modeling 3 units

Transfer: CSU

- *Prerequisite: Entertainment Technology 24.*

This course provides an overview of the production process used to construct digital characters and environments. Using industry-standard tools and methods, students will learn to create production-ready 3D models. Organic and inorganic modeling with polygons, NURBS and subdivision surfaces will be covered. Students will also learn the basic principles of digital sculpting software as well as methods for optimizing models for 3D game engines.

This course uses Autodesk Maya and Pixologic ZBrush.

ET 25B, 3D Character Creation 3 units

Transfer: CSU

- *Prerequisite: Entertainment Technology 25.*

This course covers digital character creation techniques from basic design principles to advanced digital sculpting techniques. The first part of the course explores the aesthetic and psychological aspects of design that will enable students to create compelling and original character and creature concepts. The second part of the course focuses on the technical aspects of creating characters in Maya. Students will advance from creating basic cartoon characters to high-end, film-ready creatures using fluids, hair, cloth, dynamics and digital sculpting tools to achieve the highest level of realism and energy in their digital sculptures.

This course uses Autodesk Maya and Pixologic ZBrush.

ET 25C, 3D Character Rigging 3 units

Transfer: CSU

- *Prerequisite: Entertainment Technology 25.*

This course covers the technical aspects of creating effective animation controls for 3D characters. Using industry-standard tools and methods, students will develop intuitive and efficient character rigs. The use of deformers, constraints, expressions, scripts, utility nodes and kinematic controls will be covered. Students will also be introduced to advanced topics such as cloth, hair, fur and muscle systems.

This course uses Autodesk Maya.

ET 26, 3D Rendering 3 units

Transfer: CSU

- *Prerequisite: Entertainment Technology 25.*

This course provides an overview of the production process used to render digital characters and environments. Using industry-standard tools and methods, students will learn to create photo-realistic and stylized renderings. Advanced shading, lighting, rendering and compositing techniques will be covered.

This course uses Autodesk Maya.

ET 30, Animation Project 4 units

Transfer: CSU

- *Prerequisite: Entertainment Technology 20, and 25.*

This course covers the design and production of a faculty-supervised project for portfolio development. Students will develop an animated project from an original concept to final output. Areas covered by this course will include story development and design, modeling, rigging, animation and rendering. This course will enable students to develop an effective demonstration reel.

ET 31A, Digital Video Fundamentals 3 units

Transfer: CSU

- *Skills Advisory: Entertainment Technology 11.*

This introductory course familiarizes students with the fundamental aspects of digital video production. Covering acquisition formats, authoring formats and delivery formats, the class provides a strong foundation for working with digital picture (both motion picture and still pictures) and digital sound in non-linear digital video post production. Topics will include digital vs. analog, time code, frame rates, frame size, frame aspect ratio, pixel aspect ratio, data transfer rates, key frames, NTSC and PAL television standards, image composition and acquisition, video capture, compression and output. Editing will be taught on Adobe Premiere.

ET 31B, Digital Video Editing 3 units

- *Prerequisite: Entertainment Technology 31A.*

This course focuses on the advanced techniques, skills, and theories of editing as well as the technical requirements for assembling a digital video project. Through a series of hands-on projects, students will put traditional theories of picture and sound editing into practice. The course will also cover the history of nonlinear editing and provide an overview of the post production process. Avid Media Composer will be the primary editing software utilized in this course.

ET 32, Digital Compositing 3 units

Transfer: CSU

- *Skills Advisory: Entertainment Technology 31A, Graphic Design 64 (formerly same course as Entertainment Technology 37).*

Digital compositing is the process of digitally manipulating a combination of source images to produce a seamless whole. This course provides a complete overview of the compositing process as it is used in film/television, visual effects, and multimedia. Areas covered include image creation and manipulation techniques as well as design and color fundamentals. Through a series of exercises and projects, students will develop the aesthetic and technical skills necessary for integrating diverse visual elements into cohesive imagery.

ET 33, Advanced Digital Compositing 3 units

Transfer: CSU

- *Prerequisite: Entertainment Technology 32.*

This course introduces students to advanced digital compositing techniques using nodal compositing software applications. Areas covered include color correction, keying, rotoscoping, tracking, digital paint and camera projection. By completing a series of exercises and projects based on professional visual effects methodology, students will hone the aesthetic and technical skills necessary for integrating diverse visual elements into cohesive imagery.

This course uses The Foundry's Nuke.

ET 34, Web Animation I 3 units

Transfer: CSU

- *Skills Advisory: Entertainment Technology 11.*

This class focuses on all aspects of web animation, giving special attention to characters and graphics, as well as interactivity and light programming. Students learn the tricks of controlling file size, special approaches for importing and creating animation, and all other production techniques needed for building complete web animation projects.

ET 36, Web Animation II**3 units**

Transfer: CSU

- *Prerequisite: Entertainment Technology 34.*

This course focuses on advanced techniques in Flash, a vector-based graphic and animation package that creates advanced web-based applications that include scripted behaviors and interactions. Students learn advanced techniques for interactive scripting, web interface design, advanced visuals, games and motions graphics. Techniques for communicating between interactive application and the browser and/or server are also covered. The goal of this course is to provide professional level skills for web animation and interface development. Students will create a large final project incorporating advanced techniques discussed in the course.

ET 38, Digital Imaging for Design 2**3 units**

Transfer: CSU

- *Prerequisite: Graphic Design 64 (formerly same course as Entertainment Technology 37).*

Building on previously developed, advanced Photoshop skills, this course will navigate students through the more highly advanced features of the program to create and manipulate images specifically for use in multimedia, digital video, 2D animation, and 3D animation. Topics include intense and extensive investigations into alpha channel creation and development, lighting effects generation within alpha channels and layer effects, displacement and bump mapping techniques, texture mapping relating to alpha channel and creature surface decoration, and the utilization of techniques incorporating Illustrator and Photoshop together.

ET 39, Digital Audio for Games**3 units**

Transfer: CSU

- *Advisory: Entertainment Technology 11.*

This Windows-based course will introduce students to the fundamentals of digital audio design and provide them with the basic tools to use the technology appropriately, creatively, and effectively. The course will focus on audio for games, digital media, and electronic music implementation. Practical experience will be balanced by an emphasis on understanding the fundamentals of the technology and its applications within the interactive game industry. Topics covered will include principles of good audio design; the essential hardware and software tools of music production in a digital environment; characteristics and differences between various audio formats; basic principles of sound waveform editing; and recording techniques for interactive and video integration.

ET 40, Digital Audio Fundamentals**3 units**

Transfer: CSU

- *Skills Advisory: Entertainment Technology 11.*

This course will introduce students to the fundamentals of digital audio design and provide them with the basic tools to use the technology appropriately, creatively, and effectively. A large element of hands-on practical experience will be balanced by an emphasis on understanding the fundamental theoretical principles of the technology and its applications within the entertainment industry. Topics covered will include the basic characteristics and differences between analog and digital audio; principles of good audio design; the essential hardware and software tools of

music production in a digital environment; characteristics and differences between the main digital audio formats; basic principles of sound waveform editing; and recording techniques for multimedia and video integration.

This course uses DigiDesign Pro Tools.

ET 41, Digital Audio Post Production**3 units**

Transfer: CSU

- *Prerequisite: Entertainment Technology 40.*

In this course, students will combine skills acquired in the advanced digital media courses to design and implement sound for their portfolio projects. Areas covered include live audio recording, working with prerecorded audio elements, and inventing sounds using Foley techniques. The principles of sound sweetening and multi-track layering will be addressed, as well as multi-track compositing. Students will also learn techniques seamlessly moving audio between audio and video editing tools.

This course uses DigiDesign Pro Tools.

ET 41M, Digital Music Production**3 units**

Transfer: CSU

- *Prerequisite: Entertainment Technology 40.*

In this course, students will learn the skills necessary to digitally record and produce music at a professional level. Hands-on practical techniques will reinforce an understanding of recording, editing, programming and mixing for music production. Topics covered will include recording with microphones, programming electronic instruments, MIDI, proper use of audio effects and music mixing techniques.

This course uses DigiDesign Pro Tools.

ET 42, Principles of Game Development**3 units**

Transfer: CSU

- *Prerequisite: None.*

This course is an introductory overview of the electronic game development process that underlines the historical context, content creation strategies, and future trends in the industry. The course will also explain how games are produced, tested, and released. This course will also cover the history of game platforms up to the most recent systems, and the expanded growth in Mobile, Casual, and Serious game development.

ET 44, Game Design/Play Mechanics**3 units**

Transfer: CSU

- *Advisory: Entertainment Technology 42.*

This course covers the fundamentals of game design. The focus is on building a solid understanding of play mechanics: the formal elements of play, the dramatic elements that make a game meaningful to its players, and the system dynamics that shape the overall experience. Lectures will use historical and current games and genres to illustrate key concepts. Topics include strategy and tactics, resource management, emergent complexity, puzzles and puzzle development, and the business of games. Students will learn the process of design through prototyping, playtesting and revising their own original game concepts.

ET 49, Game Development Project**4 units**

Transfer: CSU

- *Prerequisite: Entertainment Technology 17, 44.*
- *Skills Advisory: Entertainment Technology 25B, 26.*

This computer-based course covers the production of a faculty-supervised project for portfolio development. Working in teams, students will develop original game design documents into playable game levels. Emphasis will be placed on interactive design, efficient production practices, and successful communication. Each team will complete one major game prototype for portfolio development. Knowledge of 3D character modeling and rendering is required.

This course uses the Unreal Engine 3, Autodesk Maya, and Pixologic ZBrush.

ET 60, Post Production Project **3 units**

Transfer: CSU

- *Prerequisite: Entertainment Technology 41 and Entertainment Technology 31B, or Film Studies 32L.*

This computer-based course covers the design and production of a faculty supervised project for portfolio development. Students will produce an original post production project from creation of the original concept through the completion of the finished project. Emphasis will be placed on design quality and technical execution. Students will complete one major project for their portfolio.

ET 61, History of Animation **3 units**

Transfer: CSU

- *Prerequisite: None.*

This course will explore the history of animation through its earliest beginnings to the present. In addition to the chronological order of events, this course will look at the multi-faceted aspects of this relatively modern art form. The influences of economics and social/political pressures on the art form will be examined. Included will be the study of individual animators and studios, big and small; different art techniques, materials 2D and 3D. The class will also examine the principles of movement and how they apply to the zoetrope as well as the computer.

ET 62, History of Visual Effects **3 units**

Transfer: CSU

- *Prerequisite: None.*

This class will explore the evolution of visual effects in the movie industry and reveal the secrets behind some of the most memorable scenes in film history. Through lectures, sample clips, and guest speakers, this course will travel back in time to see how much technology has changed the face of film production and peek at what the future might hold. This course is for anyone who has ever asked the question, "How did they do that?"

ET 63, Digital Tracking and Integration **3 units**

Transfer: CSU

- *Skills Advisory: Entertainment Technology 24, 91.*

This course focuses on the techniques of combining digitally created elements with live-action footage. Areas covered include camera tracking, matchmoving, rotoscoping, motion capture and green screen photography. Through a series of exercises and projects, students will learn to seamlessly integrate computer generated elements with digital video. Emphasis will be placed on problem solving as well as software training.

ET 64, Digital Effects I **3 units**

Transfer: CSU

- *Prerequisite: None.*

- *Skills Advisory: Entertainment Technology 24, 94.*

This introductory course provides a basic overview of the tools used in the creation of 3D digital effects. Topics covered include interface essentials, procedural software architecture, modeling, animation, particles, expressions, shading, and rendering. This course emphasizes the fundamental concepts of visual effects production as well as an understanding of the software.

This course uses Side Effects Houdini.

ET 65, Digital Effects II **3 units**

Transfer: CSU

- *Prerequisite: Entertainment Technology 64.*

This course focuses on advanced methodologies for creating digital effects. Topics covered include advanced particle simulations, expressions and scripting techniques, dynamic simulations, rendering solutions, and effects compositing. This course emphasizes procedural workflows and the interdependency of various software tools to achieve efficient and flexible results. This course uses Side Effects Houdini.

ET 72, Career Development **2 units**

Transfer: CSU

- *Prerequisite: None.*

This course provides an overview of the strategies and techniques to develop a career within the entertainment industry, which includes jobs in the production of live action, animation, game, interactive, internet, visual effects, as well as performance and other entertainment fields. Students will learn to identify and research potential career paths in these various industries. They will develop personal marketing tools, such as resume, cover letter and other presentation materials (i.e. demo reels, personal websites, portfolios, etc.), that will help to brand and promote them into the industry. Networking skills and interviewing techniques will prepare them for any entry-level position in the entertainment industry.

ET 75, Digital Production for 2D Animation **3 units**

Transfer: CSU

- *Prerequisite: None.*

This course covers the mechanics of digital production for animated films and commercials, TV series, short, and feature-length films. The student will have hands-on experience with the following stages of production: scanning animation drawings, digital pencil testing, digital inking and painting, asset management of scene files, the electronic exposure sheet, sound synchronizing to picture, background painting, digital compositing, and camera moves.

ET 80, Digital Effects Project **3 units**

Transfer: CSU

- *Prerequisite: Entertainment Technology 32, 63, and 65.*

This computer-based course covers the design and production of a faculty supervised project for portfolio development. Students will produce an original digital effects project from creation of the original concept through the completion of the finished project. Emphasis will be placed on design quality and technical execution. This course will also cover demonstration reel development.

ET 84B, Special Topics – 3D Animation 1 unit

- *Prerequisite: Entertainment Technology 24.*

This short hands-on course allows students to focus on areas of specific interest that relate to the 3D production process. Students will work with the instructor to design projects that increase their skill with the Autodesk Maya software program.

ET 84C, Special Topics – Web Animation 1 unit

Transfer: CSU

- *Prerequisite: Entertainment Technology 34.*

This short, hands-on course allows students to focus on areas of specific interest that relate to internet-based animation. Students will work with the instructor to design projects that increase their skill with the Macromedia Flash software program.

ET 84F, Special Topics – Visual Effects 1 unit

- *Prerequisite: Entertainment Technology 64.*

This short, hands-on course allows students to focus on areas of specific interest that relate to the digital effects production process. Students will work with the instructor to design projects that increase their skill with the Side Effects Houdini software program.

ET 84H, Special Topics – 2D Animation 1 unit

- *Prerequisite: Entertainment Technology 19A.*

This short, hands-on course in animation allows students to focus on areas of specific interest that relate to the 2D production process. Students will work with the instructor to design projects that increase their traditional animation skills.

ET 84K, Special Topics – Post Production 1 unit

- *Prerequisite: Entertainment Technology 31A.*

This short, hands-on course allows students to focus on areas of specific interest that relate to the post-production process. Students will work with the instructor to design projects that increase their skill with post-production software.

ET 88A, Independent Studies in Entertainment Technology 1 unit

Transfer: CSU

Please see "Independent Studies" section.

ET 88B, Independent Studies in Entertainment Technology 2 units

Please see "Independent Studies" section.

ET 88C, Independent Studies in Entertainment Technology 3 units

Transfer: CSU

Please see "Independent Studies" section.

ET 89, Figure Drawing 1 unit

Transfer: CSU

- *Prerequisite: None.*

This course is designed for the advanced drawing student. Students completing this course will have a familiarity with all major issues involved in drawing and visualizing the figure as an animate, three-dimensional form, and will have developed perceptual and manual skills equal to the challenge of understanding the human body as a structure in

space, in both static and dynamic modes. Comprehension of figure structure will be both anatomical and perspectival with special emphasis on developing a model of the human figure that can be easily visualized in the imagination and adapted for use in animation and related disciplines.

ET 90, Modeling 1 unit

Transfer: CSU

- *Prerequisite: None.*

This is an introductory, hands-on course in 3-D clay modeling. Designed to prepare computer animation students to "think" in 3-D, this class emphasizes actual modeling techniques to use in 3-D computer modeling classes. The student will be introduced to professional model-making skills, vocabulary, tools, and materials.

ET 90A, Internship 1 unit

Transfer: CSU

- *Prerequisite: Student must be a continuing SMC student who has completed 6 or more units in the Entertainment Technology program. 2.0 grade point average and an approved internship with instructor prior to enrollment.*

The Internship Program is designed to provide the student with on-site practical experience in a related field. Students spend a minimum of 60 hours during the term in a supervised facility. Exit internship evaluation, time log, and oral are required.

ET 90B, Internship 2 units

Transfer: CSU

- *Prerequisite: Student must be a continuing SMC student who has completed 6 or more units in the Entertainment Technology program. 2.0 grade point average and an approved internship with instructor prior to enrollment.*

The Internship Program is designed to provide the student with on-site practical experience in a related field. Students spend a minimum of 120 hours during the term in a supervised facility. Exit internship evaluation, time log, and oral are required.

ET 90C, Internship 3 units

Transfer: CSU

- *Prerequisite: Student must be a continuing SMC student who has completed 6 or more units in the Entertainment Technology program. 2.0 grade point average and an approved internship with instructor prior to enrollment.*

The Internship Program is designed to provide the student with on-site practical experience in a related field. Students spend a minimum of 180 hours during the term in a supervised design facility. Exit internship evaluation, time log, and an oral are required.

ET 91, Perspective Drawing 2 units

Transfer: UC, CSU

- *Prerequisite: None.*

This course focuses on the principles of three-dimensional drawing. Emphasis is placed on fundamental concepts such as diminution, foreshortening, convergence and shading. Concepts such as horizon lines, vanishing points, and picture planes will be covered. Perspective drawing methods will be applied to rendering interiors, exteriors, objects and figures.

ET 92, Figure in Motion**3 units**

Transfer: CSU

- *Prerequisite: None.*

This is the foundation course for traditional and computer animators to understand and draw the figure in motion. This course teaches the student to visualize and quickly sketch the figure in three-dimensional as it moves through space. Emphasis is placed on construction, volume, key poses and gestures as the figure moves in a given action. Students will also develop portfolio drawings necessary for job interviews in the industry.

ET 93, Quick-Sketch and Rapid Visualization 1 unit

- *Prerequisite: None.*

The major emphasis in this course for advanced students will be the ability to draw clear, credible, and simplified representations of complex visual phenomena. These phenomena include the human figure at rest or in motion and the spatial environment for these figures and their actions. Students will use a variety of media, some of which will be applicable spontaneous reactions to action events. Skill development will include the ability to visualize and invent figures and environments from a variety of viewing angles and light conditions.

ET 94, Color Theory and Application 2 units

Transfer: CSU

- *Prerequisite: None.*

Students in this course will study the development of color perception, harmony, expression, visualization, and the application of color in traditional and digital imagery using a 2-D, 3-D, or 4-D format through a series of problem-solving exercises and projects.

ET 95, Animal Drawing 2 units

Transfer: CSU

- *Prerequisite: None.*

This course provides students with a working understanding of animal anatomy and movement and its comparison to human anatomy and movement. Students will develop skills in proportional and perspective analysis of animal forms. This class will teach students to sketch a variety of animals both from life and from other visualization techniques.

ET 96, Costumed Figure Drawing 2 units

Transfer: CSU

- *Prerequisite: None.*

Students who successfully complete this course will learn to both understand and predict the physical correlation between the figure and its costume, acquiring in the process knowledge of the structural topology of draping. Attention will be given to the planar surface structure (tonal and directional) of draped fabric in relation to linear perspective and light source.

ET 97, Advanced Figure in Motion 3 units

Transfer: CSU

- *Prerequisite: Entertainment Technology 92.*

This course is a continuation of the study of the animation of the figure in motion. Emphasis will be placed on the expression and fluidity of movement, composition, proportion, perspective, and the introduction of color. Character

will be defined by the inclusion of detail, gesture, texture, and expression.

Environmental Studies

ENVRN 7, Introduction to Environmental Studies**3 units**

Transfer: UC, CSU

IGETC AREA 4 (Social and Behavioral Sciences)

- *Prerequisite: None.*

This course satisfies the Santa Monica College Global Citizenship requirement.

This introductory course will use an interdisciplinary approach to provide students with a broad perspective on environmental problems and solutions. Students will be introduced to the strategies used by scientists, economists, political analysts, and other writers and researchers to investigate and analyze environmental and urban issues, human/nature relationships, natural and built environments, and environmental citizenship.

Environmental Studies 7 is the same course as Geography 7. Students may earn credit for one, but not both.

ENVRN 14, U.S. Environmental History 3 units

Transfer: UC, CSU

IGETC Area 4F (Social and Behavioral Sciences)

- *Prerequisite: None.*
- *Skills Advisory: Eligibility for English 1.*

This course satisfies the Santa Monica College Global Citizenship requirement.

This course surveys environmental history of the United States from earliest human migration to the present, focusing on the complex and consequential ways people have perceived, relied on, interacted with, and been impacted by the natural world. Topics include diverse patterns of interaction with land, water, plants, animals, and energy sources, as well as the economic, political, social, cultural, technological and global aspects of these patterns.

Environmental Studies 14 is the same course as History 14. Students may earn credit for one, but not both.

ENVRN 20, Environmental Ethics 3 units

Transfer: UC, CSU

IGETC AREA 3B (Humanities)

- *Prerequisite: None.*
- *Skills Advisory: Eligibility for English 1.*

This course satisfies the Santa Monica College Global Citizenship requirement.

This course introduces the field of environmental ethics with an emphasis on global environmental problems and global citizenship. The conceptual foundations of environmental attitudes and values are examined through an historical survey of philosophies of nature and human/nature relations. Ethical theories are presented and used to analyze contemporary environmental problems, e.g. mistreatment of animals, pollution, climate change, species extinction, natural resource depletion, environmental racism etc. The ethical assumptions underlying various national and international responses to environmental problems will be analyzed and evaluated.

Envrn 20 is the same course as Philos 20. Students may earn credit for one but not both.

ENVRN 22, Environmental Politics and Policies**3 units**

Transfer: UC, CSU

IGETC AREA 4 (Social and Behavioral Sciences)

- Prerequisite: None.
- Skills Advisory: Eligibility for English 1.

This course satisfies the Santa Monica College Global Citizenship requirement.

This course examines environmental politics, including, but not limited to the issues of population, natural resource use, habitat loss, global climate change and pollution. The political, economic, and social origins of environmental change and degradation are examined, as well as democratic, bureaucratic and market-based solutions to environmental problems advocated by environmental movements, interest groups and political parties. Arguments for best public policy responses to a range of environmental problems will be assessed and debated. The course offers a practical problem-solving approach which includes local, state, national and global environmental politics. Course content focuses primarily on political concepts, such as sustainable development and ecological democracy, and on the relations between a range of contemporary political values and the environmental policy recommendations of each. The course explores various perspectives on what it means to take political responsibility for reducing the human impact on the earth.

Environmental Studies 22 is the same course as Political Science 22. Students may earn credit for one, but not both.

ENVRN 32, Global Environmental History**3 units**

Transfer: UC, CSU

IGETC Area 4F (Social and Behavioral Sciences)

- Prerequisite: None.
- Skills Advisory: Eligibility for English 1.

This course satisfies the Santa Monica College Global Citizenship requirement.

This course surveys global environmental history from early human evolution to the present, focusing on the complex and consequential ways people have perceived, relied on, interacted with and been impacted by the natural world. Topics include the diverse patterns of interaction with land, water, plants, animals, and energy sources, as well as their economic, political, social, cultural, and technological aspects in the local, regional, and global context.

Environmental Studies 32 is the same course as History 32. Students may earn credit for one, but not both.

ENVRN 40, Environmental Psychology**3 units**

Transfer: UC, CSU

IGETC AREA 4 (Social & Behavioral Sciences)

- Prerequisite: None.

This course satisfies the Santa Monica College Global Citizenship requirement.

This course will focus on the theory and application of psychological principles as they relate to the causes of, and potential solutions to, current global environmental problems. Modern ecological issues (such as global climate change, habitat-loss, etc.) have their historical origin in human behavior; this class will focus both on relevant causal behaviors, and on the mental mechanisms that give rise to such behavior. An evolutionary perspective will be employed to identify the pathways by which the clash of a "universal human nature" and the modern environment

results in an "evolutionary mismatch." Evolutionary models such as the "tragedy of the commons" will be elucidated with relevant and real world examples. In addition, the course will explore potential avenues to effectively reshape human kind's social, technological and economic relationship with its environment. As such, a systems approach will be taken that considers the human as a part of, as well as an influence on, ecosystems. Cutting edge research will be integrated from different domains of psychology (cognitive, social, developmental and evolutionary, etc.) as well as related fields (genetics, behavioral economics, game-theory, anthropology, etc.) to comprehensively study the human-environment interaction.

ENVRN 40 is the same course as PSYCH 40. Students may earn credit for one but not both.

Fashion Design and Merchandising**FASHN 1, Fashion Trends and Design****3 units**

Transfer: CSU

- Prerequisite: None.

This course is designed to serve both students of fashion design and fashion merchandising in preparing them to become familiar with the nature of fashion design and its components and to understand how environmental factors influence the style, color, texture, and design of garments. Fashion materials, theories of fashion adoption, sources of design inspiration, and manufacturing a garment will be discussed.

FASHN 2, Color Analysis**3 units**

Transfer: CSU

- Prerequisite: None.

This course is an exploration of color theory and elements of design with emphasis on the expertise of color mixing and creative color combinations. Theory is applied to textile, fashion design, and fashion merchandising.

FASHN 3, Apparel Construction**3 units**

Transfer: CSU

- Prerequisite: None.

This course is an introduction to basic sewing techniques of costume and manufacturing apparel and provides familiarization with the tools used in the fashion industry. Development of fundamental skills and terminology of clothing construction. Emphasis is on interrelationship of fabric, fiber, design and construction techniques. This course is required of all Fashion Design and Merchandising majors.

FASHN 5, Fashion Buying**3 units**

Transfer: CSU

- Prerequisite: None.

This is an introductory course in fashion buying to acquaint the students with the life of a buyer that includes considerations and practices of an executive or middle manager. The buyer's position includes responsibilities such as making evaluations and maintaining standards that are complete and constant. This course will also present an awareness of quality effect of stocking merchandise and knowing and effectively practicing what to buy, when to buy, and how much to buy.

FASHN 6A, Pattern Analysis and Design 2 units

Transfer: CSU

- *Prerequisite: Fashion 3.*

This course is a study of the basic pattern drafting techniques of the apparel industry and the transfer of a design to a flat pattern. Students learn to design and make their own patterns.

FASHN 6B, Pattern Drafting and Design Intermediate 3 units

Transfer: CSU

- *Prerequisite: Fashion 6A.*

This course is a continuation of Fashion 6A with emphasis on more advanced and complex design creations in harmony with the current trends.

FASHN 7, Fabrics for Fashion Design and Merchandising 3 units

Transfer: UC, CSU

- *Prerequisite: None.*

A detailed study of textiles from fiber to finished fabric is covered in this course including identifications of fiber types, construction, printing, dyeing, and finishes of natural/man-made fabrics. Emphasis is on fabric design, principles of patterns, and methods of textile decoration.

FASHN 8, History of Fashion Design 3 units

Transfer: CSU

- *Prerequisite: None.*

This survey of fashion of the Western world introduces historic dress as an inspiration and a design resource for students of fashion design and fashion buying and merchandising. The evolution silhouette and the cut and construction of men's and women's garments are analyzed using slides of paintings, drawings, sculpture and historic costume. Contemporary examples in fashion are compared to their historic sources.

FASHN 9A, Fashion Illustration and Advertising 3 units

Transfer: CSU

- *Prerequisite: None.*

This course will give students skill in drawing fashion figures and deals with contemporary idealized proportions used for fashion today for both fashion design and fashion merchandising. Students will develop individual style in their presentation, and learn to use their drawing as a means of communicating their ideas and designs.

FASHN 9B, Advanced Fashion Illustration and Advertising 2 units

Transfer: CSU

- *Prerequisite: Fashion 2 and 9A.*

This course provides the student with advanced techniques used to illustrate fashion and is for students of fashion design or fashion merchandising. Techniques are taught that are used for quick and realistic sketching and rendering with water color to illustrate various designs and textures.

FASHN 10, Advanced Design and Construction 3 units

Transfer: CSU

- *Prerequisite: Fashion 3.*

Emphasis on unique and creative designs with manipulation of appropriate and more difficult fabrics. Students will gain more confidence and speed in their design developments, pattern making and construction.

FASHN 11, Advanced Clothing – Tailoring 2 units

Transfer: CSU

- *Prerequisite: Fashion 3.*

This course explores traditional and contemporary tailoring techniques as applied to the design and construction of men's and women's coats, suits, jackets and other tailored garments. It includes a study of the ready-to-wear and retail clothing fields, with emphasis on the individual as a consumer of tailored garments.

FASHN 12, Fashion Show Production 3 units

Transfer: CSU

- *Skills Advisory: Fashion 6A or 13.*

This course is designed to give students of Fashion Design and Fashion Merchandising the opportunity to learn how to plan and develop a Fashion Show.

FASHN 13, Draping I 3 units

Transfer: CSU

- *Prerequisite: Fashion 6A.*

This course covers the principles of draping and the ability to develop a pattern in three-dimensional form, opening new ways of designing and creating and recognizing the qualities of a well-designed garment.

FASHN 14, Draping II 3 units

Transfer: CSU

- *Prerequisite: Fashion 13.*

This course is a continuation of Fashion 13 and deals with more complex and original designs for draping. Students will learn how to analyze and interpret complicated designs by means of draping and gain enough experience and speed to create and develop more advanced designs.

FASHN 15, Ethnic Fashion 3 units

Transfer: CSU

- *Skills Advisory: Fashion 6A or 9.*

Apparel worn as national dress by people all over the world is surveyed. The origins and functions of clothing in different cultures are examined. Creative designing is inspired by ethnic costumes.

FASHN 16, Pattern Grading 2 units

Transfer: CSU

- *Skills Advisory: Fashion 6A or 9.*

Grading is the process of proportionally increasing or decreasing the production pieces according to set measurements for each clothing classification (Women's Junior Petite, Junior, Misses, Half-sizes). This is done without changing or losing the style proportions which are part of the design concept while still retaining the original lines and style of the garment. Students are introduced to and become familiar with a computer program used for grading in the fashion industry, and with the logic and rules that apply to pattern grading.

FASHN 17, Apparel Production Manufacturing Techniques 3 units

- *Prerequisite: Fashion 6 or 13.*

This course will provide professionally oriented application of design and skills for developing a collection in apparel manufacturing. The course will cover production methods and techniques of costing for different market. Hands on practice of methods in development of garment groups and organization of a line. Selection of suitable fabrics, production pattern, production sample making, and cost sheet will be covered.

FASHN 18, Computer Assisted Fashion Illustration and Design **2 units**

Transfer: CSU

- *Prerequisite: Fashion 1 and 9A.*

Computer-assisted applications are used as tools to design and create original and innovative work for fashion marketing or fashion design. This is an introductory course requiring basic computer skills.

FASHN 19, Fashion Marketing **3 units**

Transfer: CSU

- *Prerequisite: Fashion 1 and 5.*

This course will provide students with an understanding of the psychology, sociology and cultural influences that affect consumer fashion purchasing behavior. The interaction of aspects of the fashion business, including planning, pricing, promotion and distribution, will be covered. Students will learn about how to reach targeted customers locally or globally, with accuracy of products, prices, promotions and channels of distribution.

FASHN 20, Window Display for Fashion **3 units**

Transfer: CSU

- *Prerequisite: Fashion 1 and 5.*

This course involves study and exploration of the importance of window display. Students will research different methods used for window display as a means of fashion promotion. Evaluation of various techniques used and comparison of successful displays within each fashion market category will be conducted.

FASHN 88A, Independent Studies in Fashion **1 unit**

Transfer: CSU

Please see "Independent Studies" section.

FASHN 88B, Independent Studies in Fashion **2 units**

Transfer: CSU

Please see "Independent Studies" section.

FASHN 88C, Independent Studies in Fashion **3 units**

Transfer: CSU

Please see "Independent Studies" section.

FASHN 90A, Internship **1 unit**

- *Prerequisite: A grade point average of 2.0 and an approved internship prior to enrollment.*

The Internship program is designed to provide the student with on-site practical experience in a related field.

FASHN 90B, Internship **2 units**

- *Prerequisite: 2.0 grade point average and an approved internship prior to enrollment.*

The Internship Program is designed to provide the student with on-site practical experience in a related field.

FASHN 90C, Internship **3 units**

- *Prerequisite: 2.0 grade point average and an approved internship prior to enrollment.*

The Internship Program is designed to provide the student with on-site practical experience in a related field.

Film Studies

Formerly Cinema. Also see courses listed under Journalism, Communication Studies and Media Studies.

FILM 1, Film Appreciation: Introduction to Cinema **3 units**

Transfer: UC, CSU

IGETC Area 3A (Arts)

- *Skills Advisory: Eligibility for English 1.*

Formerly Cinema 9.

This course will introduce the art, technology, language, and appreciation of film, exploring the varieties of film experience, film and the other arts, and the ways of viewing. Students will learn about the basic cinematic techniques and structures, including mise-en-scene and montage, use of cinematic time and space, the image, soundtrack, and the script. Consideration will also be given to analyzing the fundamentals of film production, directing, acting, and editing; how the elements of the production process are analyzed separately, then brought together to show how they create the emotional and intellectual impact of the film experience. Film examples will be screened in class.

This course is intended as a beginning course to introduce students to cinema.

FILM 2, History of Motion Pictures **3 units**

Transfer: UC, CSU

IGETC AREA 3A (Arts)

- *Prerequisite: None.*
- *Skills Advisory: Eligibility for English 1.*

Formerly Cinema 1.

A broad survey is made of the history, theory, techniques, and development of motion pictures. The history of film as a major art form and its major artists, works, and styles are emphasized. Film examples are screened in class.

FILM 5, Film and Society **3 units**

Transfer: UC, CSU

IGETC AREA 3B (Humanities)

- *Prerequisite: None.*
- *Skills Advisory: Eligibility for English 1.*

Formerly Cinema 5.

This course presents motion pictures as reflections and influences of American society. Films are often selected from specific decades and analyzed as records of social attitudes shaping the present and past.

FILM 6, Women in Film **3 units**

Transfer: UC, CSU

IGETC AREA 3A and 3B (Arts and Humanities)

- *Prerequisite: None.*

Formerly Cinema 8.

This course is a historical study and survey of the multiple and varied images of women in film. Students will screen and analyze films over seven decades, beginning with the 1930s. Students will also read, discuss, and write about

women's roles in these films. The focus is to analyze the representation of women in each film screened, to discuss how character roles have changed over time, and to examine occupation, dress, and rules of behavior.

FILM 7, American Cinema: Crossing Cultures 3 units

Transfer: UC, CSU

- *Skills Advisory: Eligibility for English 1.*

Formerly Cinema 7. This course satisfies the Santa Monica College Global Citizenship requirement.

This course surveys American motion pictures that have been made by filmmakers representing three United States ethnic groups, including African Americans, Latino Americans, and Asian Americans. Students will also analyze Hollywood's treatment of those ethnic cultures throughout film history.

FILM 8, The Popular Film Genres 3 units

Transfer: UC, CSU

IGETC AREA 3A (Arts)

- *Prerequisite: None.*
- *Skills Advisory: Eligibility for English 1.*

Formerly Cinema 2.

This introductory course surveys the development and artistic, social, and entertainment ingredients of basic film genres. Emphasis on such types as the science-fiction film, western, gangster film, crime and detective thriller ("film noir"), musical, comedy, or horror film.

FILM 9, The Great Film Makers 3 units

Transfer: UC, CSU

- *Skills Advisory: Eligibility for English 1.*

Formerly Cinema 4.

This course covers a limited number of film directors, writers, producers, and/or actors, examining their work in artistic, social, and historical terms. The course content and emphasis changes each term.

FILM 10, Film Criticism and Interpretation 3 units

Transfer: CSU

- *Prerequisite: Film Studies 1, 2, 4, 5, 7 or 8.*
- *Skills Advisory: Eligibility for English 1.*

Formerly Cinema 10.

Using in-depth studies of a limited number of films and writings about films, this discussion and workshop course explores the various approaches to developing sound criticism and interpretation of motion pictures. It also introduces the student to the basic theories of film art and criticism.

FILM 11, Literature into Film 3 units

Transfer: UC, CSU

IGETC Area 3B

- *Prerequisite: English 1.*

Formerly same course as English 11.

In this course, students will explore literary classics on screen, comparing the narrative dynamics of cinema and literature by comparing the text with the film. In so doing, students will gain an understanding of the text to film adaptation process, the expressive powers of each, and each medium's unique potentialities and deficiencies. Selected novels, short stories, plays, and nonfiction works will be examined as each evolves into film.

FILM 20, Beginning Scriptwriting 3 units

Transfer: UC, CSU

- *Prerequisite: English 1.*

Formerly Cinema 11A.

This course is designed to teach the student the basic tools of scriptwriting for film, television, or theater, focusing on the aesthetic and commercial demands of each medium.

FILM 21, Advanced Scriptwriting 3 units

Transfer: CSU

- *Prerequisite: Film Studies 20.*

Formerly Cinema 11B.

This course is designed to provide intermediate level training in skills required to create scripts for film, television, or theatre. Techniques of writing and marketing scripts are explored.

FILM 30, Production Planning for Film and Video 3 units

Transfer: CSU

- *Advisory: Film Studies 20.*

Formerly Cinema 3.

This course is designed for students who are interested in transforming a creative concept into a practical production plan. By viewing, discussing, and analyzing scripts, television, and film, students will learn skills necessary to start production of a film or video.

FILM 31, Introduction to Digital Filmmaking 3 units

Transfer: CSU

- *Prerequisite: None.*

This is an introductory course covering both the basic techniques of digital filmmaking and of critical appreciation, while emphasizing students' personal and creative expression. Topics will include the theory and practice of visualization, the grammar of cinematic storytelling, the aesthetics of various film movements, camera technique, lighting, sound recording, directing, and other fundamentals related to learning the craft of digital filmmaking. Students will engage in critical appreciation and individual and group analysis of movies, as well as in filming exercises under the direct and continuous supervision of their instructor.

FILM 32, Advanced Digital Filmmaking 3 units

Transfer: UC, CSU

- *Prerequisite: Film Studies 31. Corequisite: Film 32L.*

Students must also enroll in Film 32L which constitutes the lab portion of Advanced Digital Filmmaking.

This course focuses on advanced techniques of digital filmmaking and theoretical and critical rubrics, allowing the student to gain increased proficiency in directing, cinematography, lighting, sound recording, and the acquiring of images in the HD (High Definition) format. Students learn the role and responsibilities of the film director during pre-production, production and post-production. Topics include the visualization of the screenplay, script breakdown, preparation of shot lists, direction of actors, and the staging of action for the camera.

FILM 32L, Advanced Digital Filmmaking Lab **1 unit**

Transfer: CSU

- *Corequisite: Film 32.*

Students must also enroll in Film 32.

This is the laboratory component of Film 32. The laboratory projects will parallel the lecture topics. The lab projects will pertain to directing, cinematography, lighting, sound recording, and the acquiring of images in the HD (High Definition) format. Students will produce elaborate and well-crafted narrative scenes, working in collaboration with other students in the class.

FILM 33, Directing the Short Film **3 units**

Transfer: UC, CSU

- *Prerequisite: Film Studies 32. Corequisite: Film Studies 33L.*

In this course, students prepare, rehearse, direct and edit a key scene from an original screenplay that will be shot in its entirety in the lab component course throughout the semester. Students come up with a unique directorial vision and narrative point-of-view, apply the appropriate cinematic style, and realistically schedule and budget the production of their short films.

FILM 33L, Directing the Short Film Lab **2 units**

Transfer: CSU

- *Corequisite: Film 33.*

Students must also enroll in Film 33.

In this course students will develop and complete a short film. This course is the laboratory component for Film 33 and will parallel the lecture topics of that course.

FILM 40, Cinematography **3 units**

Transfer: UC, CSU

- *Prerequisite: None.*

In this hands-on course, students will delve into the art and craft of cinematography: the methods and techniques by which motion picture photography and lighting help give a film meaning and aesthetic purpose. Through lectures, demonstrations and exercises in a supervised classroom environment, students will learn to operate state-of-the-art digital and electronic equipment while applying the fundamental principles of lighting, composition, exposure, focus, lens selection, and camera dynamics into purposeful visual storytelling.

FILM 50, Production Sound **3 units**

Transfer: CSU

- *Prerequisite: None.*

This course provides a practical in-depth study of the fundamental aspects of recording and mixing production sound for film and television. Subjects include: introduction to production sound equipment, location sound recording and mixing techniques, on-set sound assessment and troubleshooting, digital audio workstation basics, along with dialogue and ADR (automated dialogue replacement) recording and editing.

FILM 90A, Internship in Film Studies **1 unit**

Transfer: CSU

- *Prerequisite: Instructor approval. Students must arrange an approved internship prior to enrolling in this class. F-1 students must see the Immigration Coordinator at the International Education Center before enrolling.*

Students engage in and internship in film studies or film production under the direction of a faculty member. Learning objectives and exit internship evaluation are required. Limited availability.

FILM 90B, Internship in Film Studies **2 units**

Transfer: CSU

- *Prerequisite: Instructor approval. Students must arrange an approved internship prior to enrolling in this class. F-1 students must see the Immigration Coordinator at the International Education Center before enrolling.*

Students engage in and internship in film studies or film production under the direction of a faculty member. Learning objectives and exit internship evaluation are required. Limited availability.

First Aid

See Kinesiology Physical Education Professional Courses PRO CR 12 for training in emergency care and water safety.

HEALTH 11, First Aid and Cardio-Pulmonary Resuscitation **3 units**

Transfer: UC (pending), CSU

- *Prerequisite: None.*

A course in adult and child CPR (cardio-pulmonary resuscitation), AED (Automated External Defibrillator) and basic first aid. This course will cover emergency care of the ill and/or injured, including; recognizing and treating life threatening emergencies such as breathing, choking, cardiac emergencies, severe bleeding, and shock. The treatment of soft tissue injuries like burns, musculoskeletal, head, neck, and back injuries, as well as the treatment of medical emergencies such as sudden illness, poisonings, hypothermia and hyperthermia will be covered in this course. Upon successful course completion, American Red Cross first aid certificates and CPR certificates are awarded to students. *Additional fees apply for students wishing to pursue American Red Cross certification.*

Foreign Languages

SMC offers courses in American Sign Language, Arabic, Chinese (Mandarin), French, German, Hebrew, Italian, Japanese, Korean, Persian (Farsi), Portuguese, Russian, Spanish, and Turkish. Classes are listed under name of specific language.

French

Additional hours to be arranged in the Modern Language Lab for Elementary French.

FRENCH 1, Elementary French I **5 units**

Transfer: UC, CSU

IGETC Foreign Language (required for UC only)

- *Prerequisite: None.*

This course introduces the students to basic vocabulary and fundamental sentence structures in the present and past. Pronunciation, grammar and everyday vocabulary are stressed as indispensable tools for comprehension and expression. French customs, culture and everyday life are also highlighted. The course is taught in French except in cases of linguistic difficulty as determined by the professor. Language lab is required.

FRENCH 2, Elementary French II **5 units**

Transfer: UC, CSU

IGETC AREA 3B (Humanities), Foreign Language (required for UC only)

- *Prerequisite: French 1*.*

This course completes the basics of the language further stressing pronunciation, grammar and everyday vocabulary as indispensable tools for comprehension. It also includes simplified readings highlighting French customs, culture, and everyday life. This course is taught in French except in cases of linguistic difficulty as determined by the professor. Language lab is required.

**The prerequisite for this course is comparable to two years of high school French.*

FRENCH 3, Intermediate French I **5 units**

Transfer: UC, CSU

IGETC AREA 3B (Humanities)

- *Prerequisite: French 2*.*

This course reviews French grammar emphasizing idiomatic construction and expressions. Oral discussions and conversations are based on selected readings from contemporary French literature. The course is taught in French except in cases of linguistic difficulty as determined by the professor.

**The Prerequisite for this course is comparable to three years of high school French.*

FRENCH 4, Intermediate French II **5 units**

Transfer: UC, CSU

IGETC AREA 3B (Humanities)

- *Prerequisite: French 3*.*

This course continues the review of functional French grammar with emphasis upon idiomatic constructions and expressions. Oral discussions are based on selected readings from contemporary French literature. This course is taught in French except in cases of linguistic difficulty as determined by the professor.

**The prerequisite for this course is comparable to four years of high school French.*

FRENCH 8, Conversational French **2 units**

Transfer: UC, CSU

- *Prerequisite: French 2*.*

This course provides an opportunity to acquire fluency in spoken French with emphasis on natural, colloquial use. This course is taught in French unless in cases of linguistic difficulty as determined by the professor.

**The prerequisite for this course is comparable to three years of high school French.*

FRENCH 31A, Practical French **3 units**

Transfer: CSU

- *Prerequisite: None.*

This course is designed to develop effective communication skills. It emphasizes the use of set-up phrases, idiomatic expressions, correct pronunciation and intonation, development of useful vocabulary, and ability to communicate without hesitation in a given situation. This course does not fulfill the language requirement. This course is taught in French unless in cases of linguistic difficulty as determined by the professor.

FRENCH 31S, Practical French **1 unit**

Transfer: CSU

- *Prerequisite: None.*

This course is designed to develop effective communication skills. It emphasizes the use of set-up phrases, idiomatic expressions, correct pronunciation and intonation, development of useful vocabulary, and ability to communicate without hesitation in a given situation. This course does not fulfill the language requirement. It is only offered concurrently with French 1 in 6-week sessions and the Study Abroad Program.

Geographic Information Systems

GIS 19, Geographic Information Systems for Business **3 units**

Transfer: CSU

A working knowledge of Windows and the Internet or concurrent enrollment in GIS is recommended. Formerly same course as CIS 19.

This introductory course focuses on understanding and utilizing Geographic Information Systems (GIS) solutions in business and is not a substitute for the basic GIS course. Students will apply the use of ArcView GIS to identify and display retail markets, evaluate the suitability of sites for establishing or relocating a business or to expand sales territories.

GIS 19 is the same course as Geography 19. Students may receive credit for one, but not both.

GIS 20, Introduction to Geographic Information Systems **3 units**

Transfer: UC, CSU

- *Prerequisite: None.*

GIS are computer-based systems used to collect, store and analyze geographic information. This course will present the concepts of Geographic Information Systems (GIS) science and its applications to spatial data management. Topics include: Identification and acquisition of GIS data; Assessment of vector and raster systems, scale, resolution, map projection, coordinate systems, georeferencing and Global Positioning Systems (GPS). Spatial analysis and modeling with GIS will also be presented.

GIS is the same course as Geography 20 and Computer Information Systems 20. Students may receive credit for one, but not both.

GIS 21, Geographic information Systems for Law Enforcement **3 units**

Transfer: CSU

- *Prerequisite: None.*

Formerly same course as CIS 21.

This introductory course will focus on understanding and utilizing GIS for law enforcement. Students will utilize Arc View GIS software in a hands-on computer setting to identify and display crime data, evaluate Part I and II crime activity, gang activity, etc., on maps. Emphasis will be on GPS locations of crime incidents, clustering of thefts, burglaries, rapes, bank robberies, and plot victim locational and demographic characteristics. Students will track and evaluate patrol assignments and fleet unit routing to create more effective utilization patterns. US Census, DOJ CRS and local governmental data shall be utilized in creating crime maps.

GIS 22, GIS in Disaster Management **3 units**

Transfer: CSU

- *Prerequisite: None.*

This course focuses on understanding and utilizing Geographic Information Systems (GIS) in Disaster Management. Students will use ARC View and other mapping information systems to mitigate, plan and respond to weather storm related conditions such as earthquakes, toxic and chemical air releases, and other hazards. This course is designed to enable students to identify areas that might be affected by natural and manmade disasters.

GIS 23, Intermediate Geographic Information Systems **3 units**

Transfer: CSU

- *Prerequisite: Geography 20 or GIS 20.*

Formerly same course as CIS 23.

This course emphasizes GIS principles and methodology used in both the private and public sectors. Hands-on applications using both raster and vector data and technology will expose students to more advanced understanding of GIS. Students will learn various methods of data acquisition, including Global Positioning Systems (GPS) as well as the World Wide Web. The add-on modules extend the analytical capabilities of ArcView and allow input of map features and conversion of feature themes from raster to vector. This course will also provide an introduction to several of ArcView's extension including Spatial Analyst and 3D Analyst. Students will complete a Model Builder to be used in siting new solar sites. Spatial Analysis will include slope and aspect maps, neighborhood and zone analysis. The course will present single and multi-layer statistical operations including classification, coordination, and modeling analysis.

GIS 23 is the same course as Geography 23. Students may receive credit for one, but not both.

Geography

All Geography classes include environmental and/or urban studies material in the course content.

GEOG 1, Introduction to Natural Environment **3 units**

Transfer: UC*, CSU

C-ID: GEOG 110.

IGETC AREA 5 (Physical Sciences, non-lab)

- *Prerequisite: None.*
- *Skills Advisory: Eligibility for English 1.*

**Maximum credit allowed for Geography 1 and 5 is one course (4 units).*

This course surveys the distribution and relationships of environmental elements in our atmosphere, lithosphere, hydrosphere and biosphere, including weather, climate, water resources, landforms, soils, natural vegetation, and wildlife. Focus is on the systems and cycles of our natural world, including the effects of the sun and moon on environmental processes, and the roles played by humans.

GEOG 2, Introduction to Human Geography **3 units**

Transfer: UC, CSU

C-ID: GEOG 120.

IGETC AREA 4 (Social & Behavioral Sciences)

- *Prerequisite: None.*
- *Skills Advisory: Eligibility for English 1.*

This course is a study of humanity and its planetary home of distinctive places, spaces, landscapes, and environments. The course systematically considers geographic patterns, processes, and issues, beginning with the basic questions of Where? and Why There? Specific topics examined include human population change and migration; agriculture and food systems; urban-economic development; cultural and environmental change in an age of globalization, with specific attention paid to language, religion, ethnic identity, and biodiversity; and international geopolitics.

GEOG 3, Weather and Climate **3 units**

Transfer: UC, CSU

C-ID: GEOG 130.

IGETC AREA 5 (Physical Sciences, non-lab)

- *Prerequisite: None.*

This course is a survey of the earth's atmosphere, with special reference to the causes and regional distribution of weather and climate. The nature and causes of winds, clouds, precipitation, and severe storms are studied. Students will learn techniques of local weather observation and prediction.

GEOG 5, Physical Geography with Lab **4 units**

Transfer: UC*, CSU

C-ID: GEOG 115.

IGETC AREA 5 (Physical Sciences, + LAB)

- *Prerequisite: None.*

**Maximum credit allowed for Geography 1 and 5 is one course (4 units).*

This course surveys the distribution and relationships of environmental elements in our atmosphere, lithosphere, hydrosphere and biosphere, including weather, climate, water resources, landforms, soils, natural vegetation, and wildlife. Focus is on the systems and cycles of our natural world, including the effects of the sun and moon on environmental processes, and the roles played by humans. Laboratory work emphasizes the practical application of concepts presented in lecture, introduces the student to some of the tools and methods used in Physical Geography, and may include field study opportunities. *Students may receive credit for either Geography 1 or 5 but not both.*

GEOG 7, Introduction to Environmental Studies **3 units**

Transfer: UC, CSU

IGETC AREA 4 (Social and Behavioral Sciences)

- *Prerequisite: None.*

This course satisfies the Santa Monica College Global Citizenship requirement.

This introductory course will use an interdisciplinary approach to provide students with a broad perspective on environmental problems and solutions. Students will be introduced to the strategies used by scientists, economists, political analysts, and other writers and researchers to investigate and analyze environmental and urban issues, human/nature relationships, natural and built environments, and environmental citizenship.

Geography 7 is the same course as Environmental Studies 7. Students may earn credit for one, but not both.

GEOG 8, Introduction to Urban Studies **3 units**

Transfer: UC, CSU

IGETC AREA 4 (Social and Behavioral Sciences)

- *Prerequisite: None.*

This course introduces students to the multi-disciplinary study of urban society and space. Cities are examined both as complex social-economic groupings of people, and as material landscapes of buildings, pathways, and public and private spaces. Attention is paid to what cities are and have been (the evolving urban experience of the past and present) as well as to ever-changing ideas about what cities should be (urban planning and design for the future). While the overall perspective of the course is global, its primary focus is on the cities of North America and, in particular, the Los Angeles metropolitan area. This emphasis is evident both in the classroom and in field trips or other assignments that ask students to apply classroom ideas to our local urban setting.

Geography 8 is the same course as Urban Studies 8. Students may earn credit for one, but not both.

GEOG 10, Living in a Hazardous Environment **3 units**

Transfer: CSU

- *Prerequisite: None.*

This course is a study of hazards and their effect on humans and the natural environment. It includes an analysis of volcanoes, earthquakes, floods, droughts, hurricanes, tornadoes, catastrophic mass wasting, fires, and the effects of terrorism. This course focuses on appropriate responses from law enforcement personnel, fire technicians, and public sector managers.

GEOG 11, World Geography: Introduction to Global Studies **3 units**

Transfer: UC, CSU

C-ID: GEOG 125.

IGETC AREA 4E (Social & Behavioral Sciences)

- *Prerequisite: None.*

This course satisfies the Santa Monica College Global Citizenship requirement.

This course introduces Global Studies through a survey of the world's major geographic regions. Students will encounter core concepts related to processes of global connection and change, while also developing basic geographic literacy in the distribution of human and natural features on Earth. Students will examine and discuss

significant issues--cultural, social, political-economic, and environmental--impacting humanity today as both problem and possibility. In particular, this course considers the diverse localized impacts of globalization as a continuing story of peoples and places isolated and connected by imperial, colonial, and international systems of the past and present.

Geography 11 is the same course as Global Studies 11. Students may earn credit for one but not both.

GEOG 14, Geography of California **3 units**

Transfer: UC, CSU

C-ID: GEOG 140.

IGETC AREA 4 (Social and Behavioral Sciences)

- *Prerequisite: None.*

This course satisfies the Santa Monica College Global Citizenship requirement.

This course surveys the physical and human geography of California and the process shaping its landscapes. Topics include natural features and resources, such as geology, climate, plants and animals, and hydrology. Historical and current trends in human population, migration, and settlement patterns are considered, including a review of the state's major cultural groups. Primary and advanced economic activities are examined within modern rural and urban settings. Emphasis is on the profound connections between these topics, on California's unequaled diversity, and the rapid change that is transforming our people and its landscapes.

GEOG 19, Geographic Information Systems for Business **3 units**

Transfer: CSU

A working knowledge of Windows and the Internet or concurrent enrollment in GIS is recommended. Formerly same course as CIS 19.

This introductory course focuses on understanding and utilizing Geographic Information (GIS) solutions in business and is not a substitute for the basic GIS course. Students will apply the use of ArcView GIS to identify and display retail markets, evaluate the suitability of sites for establishing or relocating a business or to expand sales territories.

Geography 19 is the same course as GIS 19. Students may receive credit for one, but not both.

GEOG 20, Introduction to Geographic Information Systems **3 units**

Transfer: UC, CSU

C-ID: GEOG 155.

- *Prerequisite: None.*

GIS are computer-based systems used to collect, store and analyze geographic information. This course will present the concepts of Geographic Information Systems (GIS) science and its applications to spatial data management. Topics include: Identification and acquisition of GIS data; Assessment of vector and raster systems, scale, resolution, map projection, coordinate systems, georeferencing and Global Positioning Systems (GPS). Spatial analysis and modeling with GIS will also be presented.

Geography 20 is the same course as GIS 20 and CIS 20. Students may earn credit for one course only.

GEOG 23, Intermediate Geographic Information Systems 3 units

Transfer: CSU

- *Prerequisite: Geography 20.*

Formerly same course as CIS 23.

This course emphasizes GIS principles and methodology used in both the private and public sectors. Hands-on applications using both raster and vector data and technology will expose students to more advanced understanding of GIS. Students will learn various methods of data acquisition, including Global Positioning Systems (GPS) as well as the World Wide Web. The add-on modules extend the analytical capabilities of ArcView and allow input of map features and conversion of feature themes from raster to vector. This course will also provide an introduction to several of ArcView's extension including Spatial Analyst and 3D Analyst. Students will complete a Model Builder to be used in siting new solar sites. Spatial Analysis will include slope and aspect maps, neighborhood and zone analysis. The course will present single and multi-layer statistical operations including classification, coordination, and modeling analysis.

Geography 23 is the same course as GIS 23. Students may receive credit for one, but not both.

GEOG 24, Geospatial Imagery: Maps for the Twenty-First Century 3 units

Transfer: CSU

- *Prerequisite: None.*

This course introduces methods for visualizing the natural and cultural features of Earth's surface. Fundamentals of traditional map and air-photo interpretation are covered, as well as newer technologies including satellite imagery, global positioning systems (GPS), and Internet-based applications. Emphasis is placed on use and interpretation of maps and other geospatial information. Class time will combine lecture and lab work.

GEOG 35F, Field Study: California 1 unit

Transfer: CSU

- *Prerequisite: None.*

This course combines classroom and laboratory studies with actual field studies in geography. Field experiences are designed to apply basic geographic concepts and techniques in the study of diverse landscapes and the processes shaping them. Students will attend two 3-hour lecture classes and are required to attend two planned weekend field trips that include California coastal, mountain, and desert locations.

GEOG 35S, Geography Field Studies 1 unit

Transfer: CSU

- *Prerequisite: None.*

This course combines classroom and laboratory studies with actual field studies in geography. Field experiences are designed to apply basic geographic concepts and techniques in the study of diverse landscapes and the processes shaping them.

GEOG 94, Introduction to Geoscience Field Methods 2 units

Transfer: UC, CSU

- *Prerequisite: Science 10 or Geology 4 or Geography 5.*
- *Skills Advisory: Eligibility for English 1.*

This course will introduce students to field methods in Geoscience, including Geology and Geography. Students will apply the scientific method to their field queries, learn how to design and implement field-based research, and standard protocols such as obtaining required permitting to access field sites. They will also be introduced to commonly used field instruments, practice using these instruments to gather data in a field setting, and communicate results and data interpretation in conventional scientific formats. Field trip attendance is required.

Geography 94 is the same course as Geology 94. Students may earn credit for one, but not both.

Geology

GEOL 1, Physical Geology without Lab 3 units

Transfer: UC*, CSU

C-ID: GEOL 100.

IGETC AREA 5 (Physical Sciences, non-lab)

- *Prerequisite: None.*

**Maximum credit allowed for Geology 1 and 4 is one course (4 units).*

This course illustrates the many geologic processes that have shaped our planet. Lecture topics include rocks, minerals, landslides, streams, ground water, glaciers, oceans, earthquakes, and plate tectonics. Upon completion of this course, the student will have a greater awareness and understanding of their constantly changing environment.

GEOL 3, Introduction to Environmental Geology 3 units

Transfer: UC, CSU

IGETC Area 5 (Physical Sciences, non-lab)

- *Prerequisite: None.*

This course is an introduction to geologic hazards and resources. The primary focus is geologic settings that produce regions with different types of geologic hazards, the specific hazards and mitigation techniques associated with those regions, and the formation and utilization of geologic resources. Topics include earthquakes, volcanoes, floods and groundwater, fossil fuels, rock and mineral resources, and problems associated with resource use.

GEOL 4, Physical Geology with Lab 4 units

Transfer: UC*, CSU

C-ID: GEOL 101.

IGETC AREA 5 (Physical Sciences, + LAB)

- *Prerequisite: None.*

**Maximum credit allowed for Geology 1 and 4 is one course (4 units).*

This course presents an introduction to geologic processes that have shaped the Earth. Lecture topics include formation of the Earth, plate tectonics, rocks, minerals, earthquakes, geologic structures, geologic time, coastal processes, and groundwater. Laboratory exercises expand this information by dealing with rock and mineral identification, topographic and geologic map interpretation, and the interpretation aerial photographs. Upon completion of this course, the student will have a good understanding of the processes that form major features on Earth.

GEOL 5, Earth History 4 units

Transfer: UC, CSU

IGETC AREA 5 (Physical Science + Lab)

- *Prerequisite: None.*

This course is an introduction to the history of Earth and its evolution including surface environments, atmosphere, oceans, and life. Sedimentary rocks are studied for stratigraphic relationships, environmental indicators, and biological significance to reconstruct the geological and biological evolution of Earth over time. Numerical methods, like geochronology, are also employed to assign absolute ages to past environments. The combination of both relative and numerical methods to the study of plate tectonics and geologic structures will allow the student to understand how Earth history is reconstructed. A particular emphasis is placed on the study of North American sequences.

GEOL 10, Exploration of the Solar System 3 units

Transfer: UC (pending), CSU

- *Advisory: Astronomy 2 or 4 or Geology 1 or 4.*

This course provides a geologic and astronomic view of solar system exploration. Current knowledge of the geology of other planets, natural satellites and asteroids is discussed. Current studies in planetary science and how to access and utilize data collected from modern and historic planetary missions and Earth-based studies are also examined.

Geology 10 is the same course as Astronomy 10. Students may earn credit for one, but not both.

GEOL 31, Introduction to Physical Oceanography 3 units

Transfer: UC, CSU

IGETC AREA 5 (Physical Sciences, non-lab)

- *Prerequisite: None.*

This course provides the student with an understanding of the physical and geological aspects of oceanography. Lecture topics include the origin of the oceans, plate tectonics, sea floor topography, waves, beaches, estuaries, lagoons, and lakes. Completion of this course will give the student a greater knowledge of the fascinating and dynamic world of the oceans.

GEOL 35, Field Studies: California 1 unit

Transfer: CSU

- *Prerequisite: None.*

This course combines classroom and field studies of California geology. Lectures are designed to prepare the student for the examination of geologic features in the field setting. Field experience is intended to provide students with first hand observations and an understanding of earth processes and their products. Students will learn to take notes and make diagrams in the field to be used in the preparation of a written report. Students will attend three 3-hour lecture classes and are required to attend an overnight field trip to a location of geological interest in California.

GEOL 35C, Field Studies: Central California 1 unit

Transfer: CSU

- *Prerequisite: None.*

This course combines classroom and field studies of the geology of Central California, coast and interiors. Lectures are designed to prepare the student for the examination

of geologic features in field settings. Field experiences are intended to provide students with first hand observations and an understanding of several Earth processes and their products including underground caverns, sand dunes, volcanoes and erosional features. Students will attend a series of three 3-hour lecture classes and are required to attend one overnight field trip to Central California.

GEOL 35D, Geology Field Studies: Death Valley and the Basin 1 unit

Transfer: CSU

- *Prerequisite: None.*

This course combines classroom and field studies of the geology of the Basin and Range desert of California and Nevada. Lectures are designed to prepare the student for the examination of geologic features in field settings. Field experiences are intended to provide students with first hand observations and an understanding of several Earth processes and their products including underground caverns, sand dunes, volcanoes and erosional features. Students will attend a series of three 3-hour lecture classes and are required to attend one overnight field trip to the Basin and Range desert.

GEOL 94, Introduction to Geoscience Field Methods 2 units

Transfer: UC, CSU

- *Prerequisite: Science 10 or Geology 4 or Geography 5.*
- *Skills Advisory: Eligibility for English 1.*

This course will introduce students to field methods in Geoscience, including Geology and Geography. Students will apply the scientific method to their field queries, learn how to design and implement field-based research, and standard protocols such as obtaining required permitting to access field sites. They will also be introduced to commonly used field instruments, practice using these instruments to gather data in a field setting, and communicate results and data interpretation in conventional scientific formats. Field trip attendance is required.

Geology 94 is the same course as Geography 94. Students may earn credit for one, but not both.

German

Additional hours to be arranged in the Modern Language Lab for Elementary German.

GERMAN 1, Elementary German I 5 units

Transfer: UC, CSU

IGETC Foreign Language (required for UC only)

- *Prerequisite: None.*

The German courses at Santa Monica College use a communicative approach to teaching the German language. The course is designed to give students the ability to understand, speak, read and write simple German. Primary goals are to introduce beginning students to basic structures of the German language by developing vocabulary and a command of idiomatic expressions; to familiarize students with sentence structure through written exercises and short compositions; to give students a basic foundation in German history and culture; and to interest students in traveling to German-speaking countries. Language lab is required.

GERMAN 2, Elementary German II 5 units

Transfer: UC, CSU

IGETC AREA 3B (Humanities), Foreign Language (required for UC only)

- *Prerequisite: German 1*.*

This course is a continuation of German 1 with additional stress on conversation, reading, and essential grammatical elements. Aspects of German culture and history are covered as well. Language lab is required.

**The prerequisite for this course is comparable to two years of high school German.*

GERMAN 3, Intermediate German I 5 units

Transfer: UC, CSU

IGETC AREA 3B (Humanities)

- *Prerequisite: German 2*.*

This course reviews German grammar, emphasizing idiomatic construction and expressions. Discussions and interpretations are based on selected readings from German literature and a variety of cultural topics. This course is taught in German except in cases of linguistic difficulty as determined by the professor.

**The prerequisite for this course is comparable to three years of high school German.*

GERMAN 4, Intermediate German II 5 units

Transfer: UC, CSU

IGETC AREA 3B (Humanities)

- *Prerequisite: German 3*.*

This course stresses the finer grammatical points, idioms, and vocabulary used every day and in literature. The course is highlighted by intensive and extensive reading and discussion and interpretations of more advanced German works on literature, philosophy, and culture. This course is taught in German except in cases of linguistic difficulty as determined by the professor.

**The prerequisite for this course is comparable to four years of high school German.*

GERMAN 8, Conversational German 2 units

Transfer: UC, CSU

- *Prerequisite: German 2.*

This course provides an opportunity to acquire intermediate fluency in spoken German with emphasis on natural, colloquial usage. New vocabulary and idiomatic phrases will be emphasized, and the students will hold conversations in German during each class. This course is taught in German except in cases of linguistic difficulty as determined by the professor.

GERMAN 31A, Practical German 3 units

Transfer: CSU

- *Prerequisite: None.*

This course is designed for students with no previous knowledge of German. It develops basic conversation skills in the present tense, emphasizing the use of setup phrases, idiomatic expressions, correct pronunciation, development of useful vocabulary and the ability to communicate at a practical and basic level. This course is taught in German except in cases of linguistic difficulty as determined by the professor.

Global Studies

GLOBAL STUDIES 3, Global Media 3 units

Transfer: CSU, UC

IGETC AREA 4 (Social and Behavioral Sciences)

- *Prerequisite: None.*

This course satisfies the Santa Monica College Global Citizenship requirement.

This course provides a detailed introduction to global media systems around the world, examining the main economic and cultural dimensions of the international media environment. Key theoretical approaches to international and global communication will be examined. Consideration will be given to the key issues, main actors, and significant developments in global media.

Global Studies 3 is the same course as Media 3. Students may earn credit for one, but not both.

GLOBAL STUDIES 5, International Political Economy: Introduction to Global Studies 3 units

Transfer: UC, CSU

IGETC AREA 4 (Social Science)

- *Prerequisite: None.*
- *Skills Advisory: Eligibility for English 1.*

This course satisfies the Santa Monica College Global Citizenship requirement.

This course offers an interdisciplinary introduction to the fields of Global Studies and International Political Economy. Students will analyze critically the role of national governments, international organizations, nongovernmental organizations, and multinational corporations, in regard to phenomena such as, international markets and production regimes, monetary and trade policy, international and global conflict, and environmental degradation. Contending theoretical and ideological perspectives regarding international systems, processes, and trends will be applied and evaluated.

Global Studies 5 is the same course as Economics 5 and Political Science 5. Students may earn credit for only one course.

GLOBAL STUDIES 10, Global Issues 3 units

Transfer: UC, CSU

- *Prerequisite: None.*
- *Skills Advisory: Eligibility for English 1.*

This course satisfies the Santa Monica College Global Citizenship requirement.

This introductory course offers an interdisciplinary approach to exploring the origins, current status, trends and possible solutions of major global issues. Students will examine multiple issues of concern such as international war and conflict, global inequality, food, water, energy, climate change, population growth, migration, and social change. This Global Studies course will emphasize interdisciplinary inquiry by drawing upon both the holistic body of work in global studies, as well as the approaches of related fields such as anthropology, economics, environmental studies, geography, history, philosophy, political science, psychology, sociology, and women's studies.

GLOBAL STUDIES 11, World Geography: Introduction to Global Studies 3 units

Transfer: UC, CSU

C-ID: GEOG 125.

IGETC AREA 4E (Social & Behavioral Sciences)

- *Prerequisite: None.*

This course satisfies the Santa Monica College Global Citizenship requirement.

This course introduces Global Studies through a survey of the world's major geographic regions. Students will encounter core concepts related to processes of global connection and change, while also developing basic geographic literacy in the distribution of human and natural features on Earth. Students will examine and discuss significant issues—cultural, social, political-economic, and environmental—impacting humanity today as both problem and possibility. In particular, this course considers the diverse localized impacts of globalization as a continuing story of peoples and places isolated and connected by imperial, colonial, and international systems of the past and present.

Global Studies 11 is the same course as Geography 11. Students may earn credit for one but not both.

GLOBAL 35, Global Citizenship Field Study 1 unit

Transfer: CSU

- *Prerequisite: None.*

This course supports a diverse range of academic offerings that combine field-based learning and/or research in the context of global citizenship. This course explores the human, scientific, theoretical and/or ecological dimensions of our world. Set in a variety of international and domestic locations, each field study offering will focus on a discipline specific aspect of the location to expand student understanding of both the discipline and the location.

GLOBAL STUDIES 95, Global Los Angeles – Experiential Learning 2 units

Transfer: CSU

- *Prerequisite: None.*

This course is a practicum in global studies in a local setting. As a hands-on course, students will engage in experiential learning outside the classroom through various agencies which have significant ties to international/global issues. Each student will develop a reading list, customized to their particular agency's focus and complete a minimum of 30 hours of volunteer work with that agency. Students are required to complete a faculty-led orientation and submit academically-sound reflection journals to the SMC instructor. By applying theoretical ideas and empirical data to their experiences, students develop a deeper understanding of international and global relations and issues, particularly as they impact the target population(s) of the organization with which students are working.

This course is offered on a credit-no credit basis only.

Graphic Design

GR DES 18, Introduction to Graphic Design Applications 3 units

Transfer: UC, CSU

- *Prerequisite: None.*

This computer course provides an overview of digital applications used in the field of Graphic Design: Photoshop, Illustrator and InDesign. Also covered: Operation Systems, file management and computer navigation basics.

GR DES 21, Electronic PrePress and Publishing 3 units

Transfer: CSU

- *Prerequisite: None.*

This course provides an introduction to electronic publishing, printing, and the history of printing and other areas of graphic communications. It includes orientation to the computer, typesetting, electronic page layout software, camera work, basic stripping, platemaking, proofing, presswork, quality control techniques, and post-press operations. Students will learn to operate Macintosh computers and various models of printing presses to reproduce various types of camera-ready artwork.

GR DES 31, Graphic Design Studio 1 2 units

Transfer: CSU

- *Prerequisite: None.*

This studio course introduces the graphic design process—concept, visualization, documentation, and professional presentation. With an emphasis on visual communication strategies, students will explore the fundamental text/image interaction and develop various types of graphic identity designs including symbolic, pictorial or typographic. First in a sequence of three.

GR DES 33, Typography Design 1 2 units

Transfer: CSU

- *Advisory: Graphic Design 18.*

This studio course introduces classical typography—tradition, terminology, specification, and production. With an emphasis on legibility and craftsmanship, students will develop rectilinear typographic compositions while learning type indication, comping, and professional presentation techniques. This is the first in a sequence of two courses.

GR DES 34, Publication and Page Design I 3 units

Transfer: CSU

- *Prerequisite: None.*

This computer course introduces students to Adobe InDesign, a page layout computer application. Students will learn to incorporate type and imagery into creative projects, such as brochures, print publications and posters.

GR DES 35, Sketching For Graphic Design 2 units

Transfer: CSU

- *Prerequisite: None.*

This studio course is an introduction to sketching fundamentals for Graphic Design and focuses on sketching as an element of the design process. The course includes sketching and drawing principles and techniques such as observation, attention to format and proportion, perspective and composition. Students will develop and practice techniques employed by working designers to quickly create sketches for concept, storytelling, layout, prototyping, and presentation to design teams and clients.

GR DES 38, Digital Illustration 1 4 units

Transfer: CSU

- *Skills Advisory: Graphic Design 35.*

This computer course is designed for students interested in the computer as a digital illustration tool and covers the basics of computer illustration and its use in print and web-based media. Students will create vector-based art-

work, manipulate type and learn how to create dynamic content and illustrations for print and online delivery using an industry standard application, Adobe Illustrator. This course also explores fundamental design concepts and finding creative solutions using Illustrator's multiplicity of tools.

GR DES 41, Graphic Design Studio 2 **2 units**

Transfer: CSU

- *Prerequisite: Graphic Design 31.*

This studio course introduces the application of graphic identity designs to corporate identity programs, retail identity systems, and other uses, primarily in 2D. With an emphasis on visual problem-solving strategies, students will generate design criteria research, analysis, design implications, and design system development. This is the second in a sequence of three courses.

GR DES 43, Typography Design 2 **2 units**

Transfer: CSU

- *Prerequisite: Graphic Design 33.*
- *Skills Advisory: Graphic Design 31.*

This studio design course provides a survey of typography history and current design directions to inspire the development of dynamic, contemporary typographic compositions. With an emphasis on visual communication strategies, students will explore the metaphoric and stylistic refinement of text—the fundamental element of graphic design style. This is the second in a sequence of two courses.

GR DES 44, Publication and Page Design 2 **3 units**

Transfer: CSU

- *Prerequisite: Graphic Design 34.*

A continuation of Graphic Design 34, this lecture-lab course stresses the use of Adobe InDesign to develop professional solutions to page layout design problems.

GR DES 50, Graphic Design Portfolio and Professional Practices **2 units**

Transfer: CSU

- *Prerequisite: Graphic Design 33 and 66.*

This studio course focuses on the development of an effective communication design portfolio and addresses the process of building a portfolio that meets the current professional industry standards for presenting work to potential employers and clients. Emphasis is placed on developing a portfolio that displays a comprehensive understanding of what industry is looking for in a designer or what is needed to transfer. This course also covers professional practices for designers including information regarding freelancing and working with clients.

GR DES 51, Graphic Design Studio 3 **2 units**

Transfer: CSU

- *Prerequisite: Graphic Design 41.*

This studio course introduces the development of multi-faceted promotional design programs with applications in 2-D and 3-D. With an emphasis on unifying concepts, students will create comprehensive design programs which may include print, packaging, advertising, media, and environments. This is the third in a sequence of three courses.

GR DES 54, Digital Illustration 2 **3 units**

Transfer: CSU

- *Prerequisite: Graphic Design 38.*

- *Skills Advisory: Graphic Design 35.*

Created for students interested in the computer as an illustration tool, this extension of Graphic Design 38 begins with simple black and white drawings and progresses to advanced techniques for more involved, multi-layered color illustrations. This class is taught with Macintosh computers.

GR DES 60, Design Research **2 units**

Transfer: CSU

- *Prerequisite: None.*

Design research allows designers to avoid making decisions based on personal opinion and to make decisions based on true user needs. This course will cover how to plan and conduct design research to uncover user needs and issues. Students will build their understanding of the design research process and will exit with the ability to develop and manage their own design research projects in client and professional environments. Additionally, students will build a small portfolio of real-world, user-centered design research documents that will enable them to demonstrate their research experience to both clients and employers.

GR DES 61, User Experience Design 1 **3 units**

Transfer: CSU

- *Prerequisite: Graphic Design 65.*

User Experience Design (UX) focuses on the quality of experience a person has when interacting with a specific design. A UX Designer focuses on the needs and wants of the user, as well as ease-of-use, and designs for the best possible user experience. This course will cover the design process, documentation, and tools used within the UX field. Topics include user research, information architecture, interaction design, prototyping, and usability testing. Following a design process, students will collaborate to research, critique, and design a project that includes prototyping and user-testing.

GR DES 62, User Experience Design 2 **3 units**

Transfer: CSU

- *Prerequisite: Graphic Design 61.*

This course will use knowledge acquired in User Experience Design 1 to research, critique, and design a project using UX methodologies at an advanced level. This class will cover the process, techniques and artifacts used within the UX field. Topics include qualitative versus quantitative research, interface design, interaction design, prototyping, and usability testing. Following a design process, students will collaborate to research, critique, and design a project using techniques such as storyboards, personas, experience/ journey maps, card sorting, mental models, and collaborative design to prototype and test with users.

GR DES 64, Digital Imaging for Design **3 units**

Transfer: CSU

- *Prerequisite: None.*

Formerly same course as Entertainment Technology 37.

Using Adobe Photoshop, this computer class teaches students how to scan, manipulate, and enhance digital images for graphic reproduction and use on the web. Includes retouching, color adjustment and color correction techniques.

GR DES 65, Web Design 1**2 units**

Transfer: CSU

- *Prerequisite: None.*
- *Skills Advisory: Graphic Design 18 or Entertainment Technology 11.*

This design course is an introduction to web design for students with a basic knowledge of computers and graphic design applications. Students will learn to think critically about contemporary web design and apply basic design principles. Components of web design such as the grid, color, navigation, composition, and typography will be discussed. Other topics include web hosting, file management, FTP, target audience, design process, site maps, optimizing images, HTML, CSS, and the basics of responsive web design. Students will design and build a website.

GR DES 66, Web Design 2**3 units**

Transfer: CSU

- *Prerequisite: Graphic Design 61, 64, and 65. Formerly Entertainment Technology 16.*

This design course builds on the design concepts and fundamentals covered in Graphic Design 65 and focuses on best practices for the design and production of responsive websites. Design issues such as design process, understanding the user, web typography and design prototyping will be addressed. Technical topics include HTML5, CSS3, responsive web design, embedded fonts and media. Students will design and create a website from start to finish utilizing the skills learned in this course.

GR DES 67, Web Design 3**3 units**

Transfer: CSU

- *Prerequisite: Graphic Design 61 and Graphic Design 66.*

This advanced project-based web design course builds on the design concepts and technical knowledge acquired in Graphic Design 66 and focuses on designing and building a commercial-quality website. Working in teams, students will participate in the design and production of a medium-sized website. Students will go through the design process from research to launch and discuss how to best work with a client. Technical issues addressed include HTML and CSS, content management systems, responsive design, and site maintenance. Students will conceptualize, design, and produce a complete commercial-quality website.

GR DES 71, Motion Graphics 1**3 units**

Transfer: CSU

- *Prerequisite: Graphic Design 64; Prerequisite/Corequisite: Graphic Design 33 (Graphic Design 33 can be taken concurrently with Graphic Design 71).*

Formerly Entertainment Technology 58.

This hands-on course focuses on communication design for motion. Students will conceptualize, design and produce visual communication solutions using motion. Motion Graphics is a form of communication with a range of applications: film, television, communication design, branding, advertising and web. Projects will cover best practices for animation and visual effects in broadcast design, film titles, and video production by combining narrative storytelling, graphics and typography.

GR DES 71B, Motion Graphics 2**3 units**

Transfer: CSU

- *Prerequisite: Graphic Design 71.*

Formerly Entertainment Technology 59.

This hands-on course focuses on communication design and common professional uses of advanced motion graphics. Students will conceptualize, design and produce innovative time-based visual communication solutions using motion design theory and techniques. Exploring a wide range of applications (film, web, television, communication design, branding and advertising), students will create projects with advanced techniques for animation and visual effects in broadcast design, film titles and video production by combining typography, graphics and narrative storytelling.

GR DES 75, Mobile Design 1**3 units**

Transfer: CSU

- *Prerequisite: Graphic Design 61 and 66.*

This design course focuses on designing for mobile touchscreen interfaces including smartphones and tablets. Mobile design requires the skill of designing for smaller, hand-held devices and has its own set of characteristics and constraints. Students will conceptualize, design, and implement low-fidelity design prototypes of apps for mobile devices. Projects will cover best practices for designing for mobile devices and will cover the basics of mobile app prototyping including design process, interface design, and interaction design patterns.

This course is not a mobile app development or programming course. For such courses, please see our Computer Science course offerings.

GR DES 76, Mobile Design 2**3 units**

Transfer: CSU

- *Prerequisite: Graphic Design 61 and 75.*

This design course focuses on designing apps for mobile touchscreen devices including smartphones and tablets. This class will use knowledge acquired in Mobile Design 1 to conceptualize, design, and implement interactive design prototypes for mobile devices at an intermediate level. Projects will include designing, user testing, and creating mobile app design prototypes.

This course is not a mobile app development or programming course. For such courses, please see our Computer Science course offerings.

GR DES 88A, Independent Studies in Graphic Design 1 unit

Transfer: CSU

Please see "Independent Studies" section.

GR DES 88 B, Independent Studies in Graphic Design 2 units

Transfer: CSU

GR DES 90A, Internship**1 unit**

Transfer: CSU

- *Prerequisite: None.*

Students must arrange an approved internship prior to enrolling in the class.

The Internship Program is designed to provide the students with "real life" experience in a graphic design environment. Students will work with a local firm to apply graphic design principles.

GR DES 90B, Internship**2 units**

Transfer: CSU

- *Prerequisite: None.*

Students must arrange an approved internship prior to enrolling in the class.

The Internship Program is designed to provide the students with "real life" experience in a graphic design environment. Students will work with a local firm to apply graphic arts principles.

GR DES 90C, Internship**3 units**

Transfer: CSU

- *Prerequisite: None.*

Students must arrange an approved internship prior to enrolling in the class.

The Internship Program is designed to provide the student with "real life" experience in a graphic design environment. Students will work with a local firm to apply graphic arts principles.

Health Education

See also Kinesiology Physical Education Professional Courses PRO CR 12 for training in first aid and water safety, and First Aid HEALTH 11 for training in CPR.

HEALTH 10, Fundamentals of Healthful Living 3 units

Transfer: UC, CSU

- *Prerequisite: None.*

This course is designed to develop proper attitudes toward healthful living. Topics include developmental tasks of young adults; mental health and stress; cause and prevention of diseases; effects of alcohol, tobacco and drugs; sexuality and fertility management; aging; and environmental and health management issues.

HEALTH 60, Multicultural Health and Healing Practices**3 units**

Transfer: CSU

- *Prerequisite: None.*

This course satisfies the Santa Monica College Global Citizenship requirement.

This course introduces the student to the health and healing beliefs and practices among people from culturally diverse backgrounds. Cultural concepts applicable to health and wellness behavior are examined. The health, healing beliefs and practices of select American cultural groups: Native, Asian, African, Latino, and European, will be studied in the larger context of the American health care delivery system.

HEALTH 60 is the same course as NURSNG 60. Students may earn credit for one but not both.

HEALTH 70, Integrative Health**3 units**

Transfer: CSU

- *Prerequisite: None.*

This course introduces the field of Integrative Health as it is practiced in modern healthcare settings. Integrative Health addresses wellness of the whole person: body, mind, and spirit. The course will explore the major domains of Integrative Health, and the philosophies of health and healing that unite all of these domains. Topics include current education, practice, and research in natural products, mind-body-spirit therapies, manipulative and body based

therapies, energy therapies, and global perspectives of Integrative Health practice.

Health Occupations

See also Occupational Therapy, Respiratory Therapy, and Nursing. For Inhalation Therapy see Respiratory Therapy. RN Nurses who take Continuing Education courses at SMC use BRN provider #01050.

HEALTH 61, Medical Terminology**3 units**

Transfer: CSU

- *Prerequisite: None.*

This course is designed to build the student's medical and professional vocabulary as required for a career in the medical field or allied health sciences. Students undertake a comprehensive study of medical terminology with an emphasis on determining meanings by dividing words into their component parts. An overview of anatomy by each body system, including diagnostic, pathologic, therapeutic, surgical and pharmacologic terminology is completed. Common clinical procedures, laboratory tests and abbreviations are also included.

Hebrew

Additional hours to be arranged in the Modern Language Lab for Elementary Hebrew.

HEBREW 1, Elementary Hebrew I**5 units**

Transfer: UC, CSU

IGETC Foreign Language (required for UC only)

- *Prerequisite: None.*

This course teaches the primary fundamentals of classical and modern Hebrew. Grammar and pronunciation, as well as reading and writing skills are developed. The approach is modified audio-lingual utilizing both spoken and written Hebrew. Examples are taken from traditional sources and modern Israeli culture and customs. Language laboratory is required.

HEBREW 2, Elementary Hebrew II**5 units**

Transfer: UC, CSU

IGETC AREA 3B (Humanities), Foreign Language (required for UC only)

- *Prerequisite: Hebrew 1*.*

This course completes instruction in the essential fundamentals of the Hebrew language. Reading, writing, pronunciation, and advanced grammar are taught. Examples are taken from both traditional sources and modern Israeli culture and customs. Language lab is required.

**The prerequisite for this course is comparable to two years of high school Hebrew.*

HEBREW 3, Intermediate Hebrew 1**5 units**

Transfer: UC, CSU

IGETC AREA 3B (Humanities)

- *Prerequisite: Hebrew 2*.*

This course covers the linguistic, cultural and historical elements that are essential for acquiring Hebrew language at the intermediate level. Class discussions, writing assignments and tests are based on a variety of literary, cultural and historical readings and materials. This course provides

an in depth review of the Hebrew grammar, verb system, idioms and vocabulary. Students develop more sophisticated and structurally advanced writing skills. This course is taught in Hebrew except in cases of linguistic difficulty as determined by the professor.

**The prerequisite for this course is comparable to three years of high school Hebrew.*

HEBREW 4, Intermediate Hebrew 2 **5 units**

Transfer: UC, CSU

IGETC AREA 3B (Humanities)

- *Prerequisite: Hebrew 3*.*

This course covers the linguistic, cultural and historical elements that are essential for acquiring Hebrew language at the high intermediate level. Class discussions, writing assignments and tests are based on a variety of films and readings from diverse literary genres. This course provides an in depth review of the Hebrew grammar, verb system, idioms and vocabulary. Students refine their writing skills. This course is taught in Hebrew except in cases of linguistic difficulty as determined by the professor.

**The prerequisite for this course is comparable to four years of high school Hebrew.*

HEBREW 8, Conversational Hebrew **2 units**

Transfer: UC, CSU

- *Prerequisite: Hebrew 2.*

This course provides an opportunity for students to acquire intermediate fluency in spoken Hebrew with emphasis on natural, colloquial usage.

History

HIST 1, History of Western Civilization I **3 units**

Transfer: UC, CSU

C-ID: HIST 170.

IGETC AREA 3B (Humanities)

- *Prerequisite: None.*
- *Skills Advisory: Eligibility for English 1.*

This course surveys the development of Western Civilization from its beginnings in the valleys of the Tigris-Euphrates and Nile Rivers to Europe of the 16th century. It addresses cultures of the Near East, Greece, and Rome; the medieval period; the Renaissance; and the Reformation, introducing the social, economic, political, intellectual, and artistic transformations that shaped what came to be known as the West.

HIST 2, History of Western Civilization II **3 units**

Transfer: UC, CSU

C-ID: HIST 180.

IGETC AREA 3B (Humanities)

- *Prerequisite: None.*
- *Skills Advisory: Eligibility for English 1.*

This course surveys the transformations of Western Civilization from the 16th century into the 21st century. It addresses social, economic, political, intellectual, and artistic transformations that relate to the development of nation-states, industrialization, imperialism, and international conflicts and migration.

HIST 3, British Civilization I **3 units**

Transfer: UC, CSU

IGETC AREA 3B (Humanities)

- *Prerequisite: None.*
- *Skills Advisory: Eligibility for English 1.*

This course surveys the development of British Civilization from Roman times to the Restoration of 1660. It addresses the significant social, economic, political, intellectual, and artistic transformations that shaped British and Irish history, from Roman occupation through the medieval period and the political and religious upheavals of the English Reformation, Civil Wars, and Restoration.

HIST 4, British Civilization II **3 units**

Transfer: UC, CSU

IGETC AREA 3B (Humanities)

- *Prerequisite: None.*
- *Skills Advisory: Eligibility for English 1.*

This course surveys the development of British Civilization from the Restoration of 1660 into the early twenty-first century. It addresses the significant social, economic, political, intellectual, and artistic transformations that shaped British and Irish history, including the development of a constitutional monarchy, the industrial revolution, establishment of a global empire, Irish independence, involvement in world wars, the emergence of Thatcher conservatism, and beyond.

HIST 5, History of Latin America 1 **3 units**

Transfer: UC, CSU

IGETC AREA 3B (Humanities)

- *Prerequisite: None.*
- *Skills Advisory: Eligibility for English 1.*

This course surveys the history of Latin America, from its pre-Columbian origins to the end of the colonial period in the early nineteenth century. Using a thematic and chronological approach, it addresses the initial encounters between pre-Columbians, Iberians, and West Africans; the subsequent development of Iberian political, economic, social, and cultural colonialism; and the movements for political change.

HIST 6, History of Latin America 2 **3 units**

Transfer: UC, CSU

IGETC AREA 3B (Humanities)

- *Prerequisite: None.*
- *Skills Advisory: Eligibility for English 1.*

This course satisfies the Santa Monica College Global Citizenship requirement.

This course surveys modern Latin American history from independence to the present. Using a thematic and chronological approach, it addresses post-colonial developments in Mexico, Central and South America, and the Caribbean, including such topics as the social and cultural challenges of nation-building and economic growth through periods of political conflict to contemporary globalization.

HIST 10, Ethnicity and American Culture **3 units**

Transfer: UC (meets UC Berkeley American Cultures graduation requirement), CSU

IGETC AREA 3B (Humanities) or 4F (Social & Behavioral Sciences)

+ satisfies CSU U.S. History graduation requirement

- *Prerequisite: None.*

- *Skills Advisory: Eligibility for English 1.*

This course satisfies the Santa Monica College Global Citizenship requirement.

This course surveys ethnic groups in America from pre-contact to the present, including Native Americans, European Americans, African Americans, Asian Americans, and Latinos, emphasizing the forces prompting emigration and immigration, their roles in shaping American society and culture, their reception by and adaptation to American society, as well as an examination of contending theoretical models of the immigrant experience in America.

HIST 11, United States History through Reconstruction **3 units**

Transfer: UC, CSU

C-ID: HIST 130.

IGETC AREA 3B (Humanities) or 4F (Social & Behavioral Sciences)

+ satisfies CSU U.S. History graduation requirement

- *Prerequisite: None.*
- *Skills Advisory: Eligibility for English 1.*

This course surveys the United States from the colonial period through post-Civil War Reconstruction, addressing developments in American culture; ethnic, racial, gender, and class relations; politics; and the economy. It also considers American interaction with other nations, including both foreign policy and the relationship of domestic developments to the larger history of the modern world.

HIST 12, The United States History Since Reconstruction **3 units**

Transfer: UC, CSU

C-ID: HIST 140.

IGETC AREA 3B (Humanities) or 4F (Social & Behavioral Sciences)

+ satisfies CSU U.S. History graduation requirement

- *Prerequisite: None.*
- *Skills Advisory: Eligibility for English 1.*

This course surveys the United States from post-Civil War Reconstruction to the present, addressing developments in American culture; ethnic, racial, gender, and class relations; politics; and the economy. It also considers American interaction with other nations, including both foreign policy and the relationship of domestic developments to the larger history of the modern world.

HIST 13, United States History after 1945 **3 units**

Transfer: UC, CSU

IGETC AREA 3B (Humanities)

- *Prerequisite: None.*
- *Skills Advisory: Eligibility for English 1.*

This course addresses political, social, cultural, economic, and international developments of the U.S. from 1945 to the present. Major topics include the emergence of political consensus then polarization, the economics and demographics of suburbanization, the Civil Rights movement; the Cold War, including the Vietnam War, and its aftermath; trends related to environmentalism, immigration, and technology, and responses to 9/11.

HIST 14, U.S. Environmental History **3 units**

Transfer: UC, CSU

+ satisfies CSU U.S. History graduation requirement

IGETC Area 4F (Social and Behavioral Sciences)

- *Prerequisite: None.*

- *Skills Advisory: Eligibility for English 1.*

This course satisfies the Santa Monica College Global Citizenship requirement.

This course surveys the environmental history of the United States from earliest human migration to the present, focusing on the complex and consequential ways people have perceived, relied on, interacted with, and been impacted by the natural world. Topics include diverse patterns of interaction with land, water, plants, animals, and energy sources, as well as the economic, political, social, cultural, technological and global aspects of these patterns.

History 14 is the same course as Environmental Studies 14. Students may earn credit for one, but not both.

HIST 15, Economic History of the U.S. **3 units**

Transfer: UC, CSU

IGETC AREA 3B (Humanities) or 4 (Social and Behavioral Science)

+ satisfies CSU U.S. History graduation requirement

- *Prerequisite: None.*
- *Skills Advisory: Eligibility for English 1.*

This course is a chronological study of American economic history by major areas, including agriculture, industrial development, money, banking, and transportation. The roles of business, labor, and government are given a particular emphasis.

History 15 is the same course as Economics 15. Students may earn credit for one, but not both.

HIST 16, African-American History **3 units**

Transfer: UC, CSU

IGETC AREA 3B (Humanities)

- *Prerequisite: None.*
- *Skills Advisory: Eligibility for English 1.*

This course surveys African-American history from its beginnings in Africa through slavery, abolition, the Civil Rights movement, and into the present. The course will pay particular attention to the development of internal and external definitions of freedom and equality and to the influences of African Americans on the social, economic, political, and cultural development of the United States.

HIST 19, History of Mexico **3 units**

Transfer: UC, CSU

IGETC AREA 3B (Humanities)

- *Prerequisite: None.*
- *Skills Advisory: Eligibility for English 1.*

This course surveys Mexican history from pre-Columbian civilizations to the present. It addresses such major political, economic, social, and cultural developments as the Spanish conquest and colonial era; nineteenth-century struggles for independence; and political and economic transitions of the twentieth- and twenty-first centuries.

HIST 20, History of California **3 units**

Transfer: UC, CSU

IGETC AREA 3B (Humanities)

- *Prerequisite: None.*
- *Skills Advisory: Eligibility for English 1.*

This course surveys Californian history from its earliest settlement to the present. It addresses political, economic, social, cultural, and external developments that accompanied the state's transformation from the Native American through the Spanish, Mexican, and American periods.

HIST 21, History of Russia**3 units**

Transfer: UC, CSU
 IGETC AREA 3B (Humanities)

- *Prerequisite: None.*
- *Skills Advisory: Eligibility for English 1.*

This course surveys Russian events from the Stone Age to the present, focusing on factors that have led Russian leaders to build powerful, centralized governing institutions, and of the efforts of the Russian intelligentsia to reform or topple those institutions. Since writers represent the soul of the intelligentsia, their novels, short stories, and poems will constitute the bulk of the reading assignments.

HIST 22, History of the Middle East**3 units**

Transfer: UC, CSU
 IGETC AREA 3B (Humanities)

- *Prerequisite: None.*
- *Skills Advisory: Eligibility for English 1.*

This course surveys the history of the Middle East, from the ancient civilizations of the Tigris-Euphrates river valley to the present. Major topics include the religious, ethnic, social and political differences that developed prior to and since the emergence of Islam; the establishment of new states following the world wars, and the 21st-century engagement with globalizing trends.

HIST 24, History of East Asia to 1600**3 units**

Transfer: UC, CSU
 IGETC AREA 3B (Humanities)

- *Prerequisite: None.*
- *Skills Advisory: Eligibility for English 1.*

This course surveys East Asian history to 1600, tracing the rise of classical Chinese civilization and the subsequent dispersion of this culture to Korea and Japan. Addressing the connections, convergences, and divergences in the histories of China, Japan, and Korea, it examines such topics as the earliest state-formations and the emergence and maturation of market economies and popular cultures prior to the modern era.

HIST 25, History of East Asia Since 1600**3 units**

Transfer: UC, CSU
 IGETC AREA 3B (Humanities)

- *Prerequisite: None.*
- *Skills Advisory: Eligibility for English 1.*

This course satisfies the Santa Monica College Global Citizenship requirement.

This course surveys the development of China, Japan, and Korea from 1600 through their linked yet distinct modern transformations. It addresses such topics as early encounters with imperialism; divergent paths of 20th-century social, political, economic and intellectual change; world war, civil wars, and revolution; and their economic growth and social transformation in recent decades.

HIST 26, South Asian Civilization I**3 units**

Transfer: UC, CSU
 IGETC AREA 3B (Humanities)

- *Prerequisite: None.*
- *Skills Advisory: Eligibility for English 1.*

This course surveys South Asian history from the Indus Valley civilization to the Mughal Empire, offering an overview of the social, intellectual, cultural, political and economic patterns in the region that encompasses modern

India, Pakistan, Bangladesh, Sri Lanka and Nepal. It highlights such major themes and events in the development of South Asian civilization as Aryan influence, the emergence of Hinduism and Buddhism, and the impact of Islam.

HIST 28, Modern Europe: 1914 to the Present

Transfer: UC, CSU
 IGETC AREA 3B (Humanities)

- *Prerequisite: None.*
- *Skills Advisory: Eligibility for English 1.*

This course examines the domestic and global politics of and between European states since 1914, exploring such topics as nationalism, imperialism, totalitarianism, decolonization, migrations, and European integration. The course will analyze these topics in relation to major events of the time period, including the World Wars, formation and collapse of the Soviet Union and its satellite system, creation of the European Union, and disputes and cooperation between European states in the contemporary era of globalization.

HIST 29, Jewish History**3 units**

Transfer: UC, CSU
 IGETC AREA 3B (Humanities)

- *Prerequisite: None.*
- *Skills Advisory: Eligibility for English 1.*

This course surveys the Jewish people and their history from biblical times to the present. The focus is on the development of major institutions, ideas, religious and cultural movements as well as the interaction between Jews and those amongst whom they have lived, from ancient Israel through the global diaspora.

HIST 32, Global Environmental History**3 units**

Transfer: UC, CSU
 IGETC Area 4F (Social and Behavioral Sciences)

- *Prerequisite: None.*
- *Skills Advisory: Eligibility for English 1.*

This course satisfies the Santa Monica College Global Citizenship requirement.

This course surveys global environmental history from early human evolution to the present, focusing on the complex and consequential ways people have perceived, relied on, interacted with and been impacted by the natural world. Topics include the diverse patterns of interaction with land, water, plants, animals, and energy sources, as well as their economic, political, social, cultural, and technological aspects in the local, regional, and global context. *History 32 is the same course as Environmental Studies 32. Students may earn credit for one, but not both.*

HIST 33, World Civilizations I**3 units**

Transfer: UC, CSU
 C-ID: HIST 150.

- IGETC AREA 3B (Humanities)
- *Prerequisite: None.*
 - *Skills Advisory: Eligibility for English 1.*

This course surveys world history from the rise of humanity to 1500, addressing human impact on the physical environment, the domestication of plants and animals, and the establishment of complex cultures. A thematic and chronological approach is used to examine the major civilizations of Africa, Asia, the Middle East, the Americas, and Europe in terms of their political, social, economic, intellectual, and cultural development and their inter-regional relations.

HIST 34, World Civilizations II**3 units**

Transfer: UC, CSU

C-ID: HIST 160.

IGETC AREA 3B (Humanities)

- *Prerequisite: None.*
- *Skills Advisory: Eligibility for English 1.*

This course satisfies the Santa Monica College Global Citizenship requirement.

This course surveys world history from 1500 to the present, addressing major developments that contributed to global change. A thematic and chronological approach will be used to examine the economic, social, intellectual, cultural, and political transformations associated with development of and resistance to colonialism and imperialism, technological and industrial change in Africa, the Americas, Asia, Europe, and the Middle East, through the twentieth-century wars and global transitions that shape the contemporary world.

HIST 38, African History I**3 units**

Transfer: UC, CSU

IGETC AREA 3B (Humanities)

- *Prerequisite: None.*
- *Skills Advisory: Eligibility for English 1.*

This course surveys the political, economic, social, religious, and intellectual activities of African civilizations from the emergence of humankind to the eve of colonial conquest. It addresses such topics as early human settlements, the establishment of regional and Islamic states, the emergence and development of European imperialism, and African independence movements. It also traces the influence of the African diaspora on the Caribbean area and Brazil.

HIST 39, African History II**3 units**

Transfer: UC, CSU

IGETC AREA 3B (Humanities)

- *Prerequisite: None.*
- *Skills Advisory: Eligibility for English 1.*

This course satisfies the Santa Monica College Global Citizenship requirement.

This course surveys African history from the eve of 1900 to the present, addressing such topics as African resistance to conquest; experiences with colonialism; settler colonialism in southern Africa; the rise of national liberation movements and achievement of independence, and the challenges of post-colonial nation building. It examines contemporary Africa through a review of economic, urban, rural, gender, and environmental concerns; kinship, and religion.

HIST 41, Native-American History**3 units**

Transfer: UC, CSU

IGETC AREA 3B (Humanities)+ *satisfies CSU U.S. History graduation requirement*

- *Prerequisite: None.*
- *Skills Advisory: Eligibility for English 1.*

This course surveys Native-American history from earliest settlement to the present, addressing such topics as colonial-era interactions with Europeans, the development of U.S. Indian policy, and the effort to reclaim sovereign rights. Focusing primarily on native peoples of the United States, this course pays particular attention to the development of internal and external definitions of freedom and

equality and to the influence of Native Americans on the social, economic, political, and cultural development of America.

HIST 42, The Latina/o Experience in the United States**3 units**

Transfer: UC, CSU

IGETC AREA 4C (Social and Behavioral Sciences)

- *Prerequisite: None.*
- *Skills Advisory: Eligibility for English 1.*

This course provides a comparative historical survey of the political, cultural, social, and economic experiences of Latinos/as in the United States, concentrating on major demographic groups. Topics include migration and immigrant settlement, economic integration, and the formation of group identities among and politicization of Chicanos, Central Americans, and Cuban, Puerto Rican, and other Caribbean Americans.

HIST 43, Mexican-American History**3 units**

Transfer: UC, CSU

IGETC AREA 3B (Humanities)

- *Prerequisite: None.*
- *Skills Advisory: Eligibility for English 1.*

This course surveys the history of the US Southwest from Native-American settlement through the periods of foreign colonization and conquest to contemporary times. Focusing primarily on Mexican Americans in this border region and, more currently, throughout the nation, the course pays particular attention to the development of internal and external definitions of freedom and equality and to the influence of Mexican Americans on the social, economic, political, and cultural development of America.

HIST 45, United States Cultural History Honors Colloquium**3 units**

Transfer: UC, CSU

+ *satisfies CSU U.S. History graduation requirement through Summer 2008**IGETC AREA 3B (Humanities)*

- *Prerequisite: None.*
- *Skills Advisory: Eligibility for English 1.*

This course covers the history of the area which became the United States from pre-European contact to the Civil War, focusing on the cultural and intellectual currents that contributed to and shaped the development of American society.

HIST 46, United States Cultural History Seminar**3 units**

Transfer: UC, CSU

IGETC AREA 3B (Humanities)+ *satisfies CSU U.S. History graduation requirement through Summer 2008*

- *Prerequisite: None.*
- *Skills Advisory: Eligibility for English 1.*

This course covers the history of the United States from Reconstruction to the present, focusing on the cultural and intellectual currents that contributed to and shaped the development of American society.

HIST 47, The Practice of History 3 units

Transfer: UC, CSU

IGETC Area 1B (Critical Thinking) OR 4F (Social and Behavioral Sciences)

- *Prerequisite: English 1.*

It is recommended that Hist 47 students enroll in Media 20 in the subsequent semester. The two courses are linked to create an innovative digital history project course. Students choose, research, and complete their own original work on local history topics and then have the opportunity to turn their research into short documentaries in Media 20. Past topics have included Santa Monica's mob history, the Venice canals, the Getty Villa, and the birth of skateboarding.

This course presents an overview of historians' methods of research, critical analysis, and written argumentation and introduces historiography and historical theory. Students will apply these methods through a variety of extensive writing projects, leading to a properly documented academic research paper. The research component of the course strengthens students' information competency skills.

HIST 50 A-Z, Topics in History 3 units

Transfer: CSU

- *Prerequisite: None.*
- *Skills Advisory: Eligibility for English 1.*

This series of courses deals with various contemporary topics in history, including the Vietnam War and contemporary issues in women's history.

HIST 52, The History of Women in American Culture 3 units

Transfer: UC, CSU

IGETC AREA 3B (Humanities)

- *Prerequisite: None.*
- *Skills Advisory: Eligibility for English 1.*

This course surveys the history of American women from diverse communities, from the fifteenth century through the modern women's movement to the present. It addresses such topics as traditional gender roles; their transformation through war, industrialization, reform movements, and cultural modernity; and relationships between women of different races and ethnicities. The course will pay particular attention to the development of internal and external definitions of freedom and equality and to women's influence on the social, economic, political, and cultural development of the United States.

HIST 53, The History of Religion 3 units

Transfer: UC, CSU

IGETC AREA 3B (Humanities)

- *Prerequisite: None.*
- *Skills Advisory: Eligibility for English 1.*

This course surveys major themes and trends in the history of religion from prehistoric times to the present. Analyzing the essential principles and global historical context of such religions as Buddhism, Taoism, Confucianism, Shinto, Hinduism, Judaism, Christianity, Islam, and tribal and contemporary religions, it addresses the cultural, political, social and other roles religion has played throughout history.

HIST 55, History of Science 3 units

Transfer: UC, CSU

IGETC AREA 3B (Humanities) or 4 (Social and Behavioral Sciences)

- *Prerequisite: None.*
- *Skills Advisory: Eligibility for English 1.*

This course surveys the history of science from its earliest beginnings through the theories of the ancient Greeks to contemporary debates. Examining major scientific paradigms, it focuses on how the natural and physical sciences developed in specific philosophical, political, religious, and social contexts.

HIST 62, Asian-American History 3 units

Transfer: UC, CSU

IGETC AREA 3B (Humanities)

- *Prerequisite: None.*
- *Skills Advisory: Eligibility for English 1.*

A survey of Asian American history from the immigration period to the present, this course stresses the political, economic, social, and cultural factors which affected Asian Americans and their impact on U.S. history.

HIST 88A, Independent Studies in History 1 unit

Transfer: CSU

Please see "Independent Studies" section.

HIST 88B, Independent Studies in History 2 units

Transfer: CSU

Please see "Independent Studies" section.

HIST 90A, Internship in History 1 unit

Transfer: CSU

- *Prerequisite: None.*

You must meet the following eligibility requirements to apply for this internship: 1) Must be a SMC student & have completed 6 units during the previous semester, 2) Completed English 1 or equivalent with a C or higher, and 3) Must have cumulative GPA of 2.0 or higher. If you are eligible, please contact Prof. Sang Chi (chi_sang@smc.edu) for application materials. Students must arrange an approved internship prior to enrolling in this class. F-1 students must see the Immigration Coordinator at the International Education Center before enrolling.

The internship in history is intended to provide the student with experience working as a historian in the field, conducting work on local history projects.

Humanities

HUM 26, Introduction to the Humanities 3 units

Transfer: UC, CSU

IGETC AREA 3B (Humanities)

- *Prerequisite: English 1.*

In this introduction to the humanities students will survey literature in conjunction with great works of art through the ages (painting, sculpture, music, architecture, dance) exploring how, at widely separated points in time, artists and writers have expressed and responded to cultural, political, and intellectual concerns of their day. In doing so, they will see literature in the context of other art forms.

Humanities 26 is the same course as English 26. Credit may be earned for one, but not both.

HUM 28S, Contemporary Life in China 2 units

Transfer: UC, CSU

- *Prerequisite: None.*

This course offers an introduction to the social, cultural, economic, and political patterns of life in today's People's Republic of China. Study tours to local centers of Chinese culture or to the People's Republic; plays; seminar discussions; readings; and other cultural opportunities will be utilized to understand contemporary China.

HUM 88A, Independent Studies in Humanities 1 unit

Transfer: CSU

Please see "Independent Studies" section.

HUM 88B, Independent Studies in Humanities 2 units

Transfer: CSU

Please see "Independent Studies" section.

Independent Studies

Independent study is intended for advanced students interested in doing independent research on special study topics. To be eligible, a student must demonstrate to the department chairperson the competence to do independent study. To apply for Independent Studies, the student is required, in a petition that may be obtained from the department chair, to state objectives to be achieved, activities and procedures to accomplish the study project, and the means by which the supervising instructor may assess accomplishment. Please see discipline listing for details. A maximum of six units of independent studies is allowed. Granting of UC transfer credit for an Independent Studies course is contingent upon an evaluation of the course outline by a UC campus.

Interaction Design

The following courses are upper division courses that are part of Santa Monica College's Bachelor of Science degree program in Interaction Design. Enrollment is limited to admitted program participants. For more information, please see www.smcixd.org. Transferability of this course will be determined on a case-by-case basis by the transfer institution.

IXD 310, Interaction Design Studio 1 3 units

- *Prerequisite: Admission to the Bachelor of Science in Interaction Design.*

With the prevalence of the computer in contemporary culture, Interaction Design has emerged as a practice that determines how people engage with technology. This course examines the specific field of Interaction Design; its history, human-centered design principles, and screen-based interaction patterns. Students learn how to design the behavior of interactive digital interfaces and gain an understanding of how design decisions impact a user's experience and the overall success of a product. Students analyze historical examples, contemporary user interfaces, and their own designs. Students also learn how to design, justify, and articulate using human-centered design principles and screen-based interaction patterns.

IXD 330, Interaction Design Studio 2 3 units

- *Prerequisite: Interaction Design 310.*

Microinteractions, found in every user interface, are designed moments (e.g. log in, copy and paste, on or off) that are an integral part of every interface. This course reveals these seemingly invisible interactive controls, providing an overview of specific platforms, paradigms, and affordances. The studio prepares students to create task oriented end-to-end user experiences and interaction flows. Students learn how to design at the micro scale, exploring appropriate forms, states, feedback, and loops based on different contexts and user goals. Through iterative methodologies, students learn to refine the details of a specific feature interaction. Collaborating directly with users and fellow classmates, students prototype, critique, and test existing interaction examples and their own micro-interaction designs. Students develop a critical understanding of how interactive forms communicate and influence a user's behavior.

IXD 350, Interactive Storytelling 3 units

- *Prerequisite: Admission to the Bachelor of Science in Interaction Design.*

This design course focuses on the storytelling component of interaction design with a special focus on prototyping and motion graphics. Exploring different types of prototyping, from paper prototypes to digital, screen-based prototypes (e.g. web-based tools, video prototypes), students use storytelling to describe experiences in interaction design. Students use a hands-on approach to design a better experience for end users by sketching, storytelling, experimenting, making and testing. Students create prototypes at different levels of fidelity using appropriate tools and technologies.

IXD 360, Product Design 3 units

- *Prerequisite: Interaction Design 350.*

This course provides a hands-on introductory experience to the history, contemporary methodologies, and emerging practices of Product Design. This studio teaches students to think through "making" and includes in-class workshops on 3D modeling and rapid-prototyping. Students cross design disciplines and toolsets, using 3D forms to solve problems, act out new capabilities, and connect to other devices, objects, and people. The projects in this course are fast-paced, collaborative, and experimental.

IXD 370, Design for Community Change 3 units

- *Prerequisite: Interaction Design 330.*

In this course, students work with a variety of organizations addressing a community need to design and develop a project with social impact. Students apply a variety of user experience and interaction design skill sets to work collaboratively with community stakeholders in identifying and helping to solve a need. Through this experience, students recognize and demonstrate many interaction design practices related to research, analysis, concept, design and prototyping to work on a project designed to serve a community need.

IXD 410, Project Management for Design 2 units

- *Prerequisite: Admission to the Bachelor of Science in Interaction Design.*

This course contextualizes project management for interaction designers. Project Management for Design provides a comprehensive overview of current design development processes and tools used to successfully deliver a high-quality project on time. Students will learn to clearly communicate with clients and manage the design process while integrating design objectives into the overall development timeline. Students will develop leadership skills, learn to plan, organize, motivate, and control resources based on project goals.

IXD 430, Interaction Design Studio 3 **3 units**

- *Prerequisite: Interaction Design 330.*

Students design for the complexities of large scale systems, services, and digital networks. The course provides a survey of current system design, information architecture, and topics in interaction design such as The Internet of Things. Working in teams modeled after professional studios, students conduct exploratory ethnographic research to form novel strategies, concepts, maps, user narratives, and models for our increasingly complex world of networked objects, spaces, and people. This course encourages students to leverage team brainstorming and critiques in order to develop consistency through an entire ecosystem.

IXD 450, Interaction Design Portfolio **2 units**

- *Prerequisite: Interaction Design 430.*

This course provides the interaction design student the opportunity to develop work under the supervision of the instructor on a one-to-one basis and to develop the skill to talk about their body of work in a professional setting. Emphasis is placed on developing a portfolio that displays a comprehensive understanding of industry expectations for a UX/interaction designer.

IXD 460, Tangible Interaction **3 units**

- *Prerequisite: Interaction Design 360.*

Students explore the design of user interfaces that blend digital and physical interactions. Working with creative technologies such as microcontrollers, sensors, and actuators, students create functional prototypes that explore new interaction techniques, principles, and strategies. This course immerses students into prototyping through hands-on class workshops and research into contemporary examples such as the Internet of Things, Smart Objects, and Voice User Interface (VUI). Students explore the expressive capabilities of technology through user observations, affordances, and converting physical action into digital information.

IXD 470, Interaction Design Senior Studio **3 units**

- *Prerequisite: Interaction Design 430; Prerequisite/ Corequisite: Interaction Design 410 (Interaction Design 410 can be taken concurrently with Interaction Design 470).*

This course focuses on an industry-sponsored project in which students use their integrated skills to create a forward-looking design in response to a real-world brief provided by the industry partner in collaboration with the faculty. This is a capstone course where students work in small teams and build on the knowledge and skills they acquired in earlier course work. The course is organized around a project that requires student teams to explore various design concepts and alternatives as well as explore recent practices, tools, and systems that may be related to

the project. Students will design and produce a prototype as part of a team. Considering the pace of the development of the project, this requires students to engage in a considerable amount of independent as well as team-based learning.

IXD 491, Interaction Design Internship **1 unit**

- *Prerequisite: Admission to the Bachelor of Science in Interaction Design.*

This internship program provides students with the opportunity to work with a local firm to apply UX/IxD principles. Students become acquainted with the career fields in user experience design and interaction design by working in a professional design, entertainment, or technology company. Students spend a minimum of 60 hours during the term under the supervision of a design professional. Learning objectives and exit internship evaluation are required. Limited availability.

IXD 492, Interaction Design Internship **2 units**

- *Prerequisite: Admission to the Bachelor of Science in Interaction Design.*

In this internship program, students will work with a local firm to apply UX/IxD principles. Students become acquainted with the career fields in user experience design and interaction design by working in a professional design, entertainment, or technology company. Students spend a minimum of 120 hours during the term under the supervision of a design professional. Learning objectives and exit internship evaluation are required. Limited availability.

IXD 493, Interaction Design Internship **3 units**

- *Prerequisite: Admission to the Bachelor of Science in Interaction Design.*

In this internship program, students will work with a local firm to apply UX/IxD principles. Students become acquainted with the career fields in user experience design and interaction design by working in a professional design, entertainment, or technology company. Students spend a minimum of 180 hours during the term under the supervision of a design professional. Learning objectives and exit internship evaluation are required. Limited availability.

Interior Architectural Design

The classes listed as INTARC were formerly listed as INTDSN.

INTARC 28A, Visual Studies 1 **3 units**

Transfer: UC, CSU

- *Prerequisite: None.*

Formerly INTARC 32.

This course is an introduction to basic hand drawing skills. Students will learn plans, elevations, sections and architectural symbols with emphasis on line quality and lettering. Students will also learn the basics of manual perspective drawings. Students produce a set of construction drawings of an interior space.

INTARC 28B, Visual Studies 2 **3 units**

Transfer: CSU

- *Prerequisite: Interior Architectural Design 28A.*

Formerly INTARC 28.

This course is an introduction to 3D drawing for interior architectural designers. The emphasis is on simplified systems of linear perspective drawing and the fundamentals of quick sketching. Studies include an introduction to perspective and rendering of interior installations through the use of size, scale, and shading relationship to show depth and 3D form in furniture and interiors.

INTARC 29, Computer Skills for Interior Architectural Design **3 units**

Transfer: CSU

- *Prerequisite: None.*

This introductory course covers the use of the computer as a tool for Interior Architectural Design in illustration, drafting, design and presentations. Students will gain basic computer literacy while being exposed to a variety of digital applications used in the field of Interior Design.

This course uses Google Sketch Up, Autodesk AutoCAD, Autodesk Revit, and Adobe Photoshop.

INTARC 30, Principles of Interior Architectural Design **3 units**

Transfer: CSU

- *Prerequisite: None.*

This lecture course applies the elements and principles in planning total interior environments that meet individual, functional, legal, and environmental needs. Selection of all materials and products used in interior environments will be emphasized for both the functional and aesthetic quality.

INTARC 31, Interior Architectural Design Studio 1 **3 units**

Transfer: CSU

- *Corequisite: Interior Architectural Design 28A (formerly 32).*

The first in a sequence of design studio courses introducing the concepts and theories of beginning interior architectural design. Emphasis is placed on the design process in developing solutions for design projects. Students will explore basic space planning, code considerations, and how to graphically represent their ideas through drawings and other media. Projects are developed for portfolio presentation.

INTARC 33, Interior Architectural Design Career and Portfolio **3 units**

Transfer: CSU

- *Prerequisite: Interior Architectural Design 40.*

This lecture course examines the Interior Architectural Design profession, industry, related occupations, and work sites. The course emphasizes personal, educational, and professional qualifications required for entry into the Interior Architectural Design profession.

INTARC 34, 2D Applied Color Theory **3 units**

Transfer: CSU

- *Prerequisite: None.*

This course practices basic color design theory and application. Students utilize tools, materials, and equipment to develop technical skills applicable to interior, architectural and other related fields of design. Students identify cultural heritages, the psychological implications of design and are introduced to Computer Palettes.

INTARC 34B, 3D Applied Design Theory **3 units**

Transfer: CSU

- *Prerequisite: None.*

This Course practices basic 3 dimensional design theory and application. Students will create abstract 3D sculptures using construction materials through systematic design process.

INTARC 35, 2D Digital Drafting **3 units**

Transfer: CSU

- *Prerequisite: Interior Architectural Design 29 and 28A (formerly 32).*

This lecture and lab course introduces the basic skills, uses, and techniques for computer-aided design and drafting as applied to Interior Architectural Design.

This course uses Autodesk AutoCAD.

INTARC 36, Interior Architectural Design Materials and Products **3 units**

Transfer: CSU

- *Prerequisite: None.*

This course analyzes, applies, and evaluates products and materials used in Interior Architectural Design. Topics include interior textiles, furnishings and finish materials and products.

INTARC 37, Set Design and Art Direction for Film and TV **3 units**

Transfer: CSU

- *Prerequisite: Interior Architectural Design 28A (formerly 32).*

This lecture course examines the Motion Picture Industry as it relates to the Art Department of Film and TV, specifically focusing on the job of the Production Designer, Art Director, Set Decorator, and Set Designer. The course emphasizes personal, educational, and professional qualifications required for entry into the Motion Picture Industry as a professional Production Designer, Art Director, Set Decorator, and Set Designer.

INTARC 38, 3D Digital Drafting 1 **3 units**

Transfer: CSU

- *Prerequisite: Interior Architectural Design 35.*

This lecture and lab course teaches advanced skills in 3-D computer-aided drafting for interior architectural design applications.

This course uses Autodesk Revit.

INTARC 39, Green Design for Interiors **3 units**

Transfer: CSU

- *Prerequisite: None.*

This course provides a detailed introduction to the concepts, principles, systems, and materials of green design for interiors. Students learn compatible approaches to renewable, healthy and environmentally responsive design affecting the local and global client.

INTARC 40, Interior Architectural Design Studio 2 **3 units**

Transfer: CSU

- *Prerequisite: Interior Architectural Design 31.*
- *Corequisite: Interior Architectural Design 38.*

This class is an advanced studio course in professional design solutions to space planning problems. Topics include

in-depth client analysis, necessary divisions and allocations of space, activity planning, traffic circulation, the relationship of scale and mass of furnishings to human factors, and the use of interior space. The course emphasizes detailed drawings of residential and contract spaces, class critiques, and the execution of final projects for portfolio presentation. This studio course examines the principles of design for interiors through the use of advanced computer aided design techniques and strategies available with AutoCAD.

INTARC 41, History of Interior Architecture and Furnishings I **3 units**

Transfer: CSU

- *Prerequisite: None.*

This course is a comprehensive slide lecture study of furniture, architecture, decorative arts, and interiors from the major style periods of Antiquity through 18th Century France. Lectures concentrate on furniture styles, ornament, craftsmen, techniques, the evolution of the interior and its impact on current furniture styles. This class is directed toward careers in interior architectural design, furniture design and restoration, set design and art direction, historic preservation, and retail sales in residential and commercial design.

INTARC 42, History of Interior Architecture and Furnishings II **3 units**

Transfer: CSU

- *Prerequisite: Interior Architectural Design 41.*

This course is a comprehensive slide lecture study of furniture, architecture, decorative arts, and interiors from the major style periods of the 19th Century through early 20th Century in Europe. Lectures concentrate on furniture styles, ornament, craftsmen, designers, techniques, the evolution of the interior and its impact on current furniture styles. This class is directed toward careers in interior architectural design, furniture design and restoration, set design and art direction, historic preservation, and retail sales in residential and commercial design.

INTARC 44, Fundamentals of Lighting **3 units**

Transfer: CSU

- *Prerequisite: Interior Architectural Design 30 and 35.*

This course studies architectural lighting as an integrated component of design for interiors. Lighting technology is explored with emphasis on the effect of light: intensity, direction, and color.

INTARC 45, Interior Architectural Design Studio 3 **3 units**

Transfer: CSU

- *Prerequisite: Interior Architectural Design 40.*

The third in a sequence of design studio courses. Students will explore commercial design through: universal design, sustainable design, space planning, lighting systems, interior components, architectural elements, codes and specification writing. These factors are integrated into research projects emphasizing a problem-solving approach. This studio course emphasizes individual solutions, class and instructor critiques and projects for portfolio presentation.

INTARC 47, Business and Professional Practice **3 units**

Transfer: CSU

- *Prerequisite: Interior Architectural Design 33.*

This course presents basic principles, procedures, and office systems necessary for the interior design professional. Lectures emphasize legal issues, project management, budgets, purchasing, billing, compensation, collection, and other business practices. The interaction of client, designer, supplier, and installer is also examined.

INTARC 50, Codes and Specifications **3 units**

Transfer: CSU

- *Prerequisite: None.*

This course explores federal regulations, building codes and standards, and specifications concerning life-safety issues, Americans with Disabilities Act, and universal design requirements relative to residential and contract design. Special attention is given to performance, health and safety, testing, and compliance for interior products and finish materials.

INTARC 51, Rapid Visualization **3 units**

Transfer: CSU

- *Prerequisite: Interior Architectural Design 28B (formerly 28).*

This basic studio course offers the fundamentals of quick sketching, problems, and techniques. The course includes an introduction to perspective and rendering practice with an emphasis on sketching of proposed interior installations, and requires the development of portfolio projects.

INTARC 52, Production Design for Film and TV **3 units**

Transfer: CSU

- *Prerequisite: Interior Architectural Design 28A (formerly 32) and 37.*

This studio course features hands-on skills in set design for film and TV. The course specifically focuses on design analysis, development, design, and presentation. Students learn to research and develop an individual project from script to screen. Students produce set designs for both a TV commercial and a film.

INTARC 54, Universal Design for Interiors **3 units**

Transfer: CSU

- *Prerequisite: Interior Architectural Design 32.*

In this course students will study the practical design and modification of homes to provide basic universal access and criteria for people of all ages, throughout their lifetime, while incorporating style and a cost effective budget. Students analyze accessibility, usability and visitability features of various residential spaces, and learn to make informed decisions of the design features and specifications of home materials for lifelong, easy, independent living for clients.

INTARC 57, 3D Digital Drafting 2 **3 units**

Transfer: CSU

- *Prerequisite: Interior Architectural Design 38.*

This lecture/ lab course examines digital design concepts and techniques, including Building Information Modeling. The course explores systems integration, coordination, team work environments and design concept presentation

in an interior architecture production environment. The course applies the use of a 3D workflow to represent and extract 2D, 3D and 4D information. The course also illustrates basic rendering techniques and virtual walkthroughs of the space.

This course uses Autodesk Revit.

INTARC 62, Model Building 3 units

Transfer: CSU

- *Prerequisite: Interior Architectural Design 28A (formerly 32).*

This is a basic studio course in fundamentals of architectural interior model building. This course will introduce and develop the necessary skills of fabrication techniques, surface development, and presentation skills. It will also cover the fundamentals of blueprint and spatial relationships.

INTARC 65, Digital Illustration for Interiors 3 units

Transfer: CSU

- *Prerequisite: Interior Architectural Design 28B (formerly 28).*

Students enrolling in this course should have basic computer skills.

This course covers the rendering of finished perspective drawings using digital media software such as Photoshop. Emphasis is placed on interior materials such as wood, tile, marble, glass, metals and mirrored surfaces, fabrics, floor and wall coverings, window treatments, plants and entourage. Use of light, shade and shadow is employed to show three-dimensional form. Use of color and texture is emphasized to produce realistic effects in complete room settings. *This course uses Google Sketch Up and Adobe Photoshop.*

INTARC 69, Custom Residential Design 3 units

- *Prerequisite: Interior Architectural Design 51.*

This course applies the architectural interior design process to space planning, materials, finish choices, codes application, and specialized equipment unique to custom residential spaces.

INTARC 70, 3D Digital Rendering and Animation 3 units

Transfer: CSU

- *Prerequisite: Interior Architectural Design 38.*

This is a beginning lecture/studio course in 3D Computer Animation, emphasizing Interior Design and Set Design for Film and TV. It will cover the basics of computer animation in a virtual interior with an emphasis on lighting, surface materials (textures), and camera angles. Beginning animations suitable for interior architectural walk-throughs will be created. The student will develop techniques, using state of the art software such as 3D Studio Max, to create visual representations on high-resolution computers of an actual interior or set design for film and television.

This course uses Autodesk 3D Studio Max.

INTARC 71, Contemporary Spatial Design Studies 3 units

Transfer: CSU

- *Prerequisite: None.*

This course is a comprehensive visual/lecture study of 20th and 21st century spatial and interior design theory and practice from the turn of the 20th century through the most current international designs today. Emphasis is on

design styles, materials, ornamentation, and techniques. Course is directed toward careers in interior design and related spatial design fields encompassing both residential and commercial projects.

INTARC 90A, Internship 1 unit

Transfer: CSU

- *Prerequisite: 2.0 grade point average and an approved internship with instructor prior to enrollment.*

The Internship program is designed to provide the student with on-site, practical experience in a related design field. Students spend a minimum of 60 hours during the term in a supervised design facility. Exit internship evaluation, time log, and oral interview are required.

INTARC 90B, Internship 2 units

Transfer: CSU

- *Prerequisite: 2.0 grade point average and an approved internship with instructor prior to enrollment.*

The Internship program is designed to provide the student with on-site, practical experience in a related design field. Students spend a minimum of 120 hours during the term in a supervised design facility. Exit internship evaluation, time log, and oral interview are required.

INTARC 90C, Internship 3 units

Transfer: CSU

- *Prerequisite: 2.0 grade point average and an approved internship with instructor prior to enrollment.*

The Internship program is designed to provide the student with on-site, practical experience in a related design field. Students spend a minimum of 180 hours during the term in a supervised design facility. Exit internship evaluation, time log, and oral interview are required.

INTARC 90D, Internship 4 units

Transfer: CSU

- *Prerequisite: 2.0 grade point average and an approved internship with instructor prior to enrollment.*

The Internship program is designed to provide the student with on-site, practical experience in a related design field. Students spend time during the term in a supervised design facility. Exit internship evaluation, time log, and oral interview are required.

Italian

Additional hours to be arranged in the Modern Language Lab for Elementary Italian.

ITAL 1, Elementary Italian I 5 units

Transfer: UC, CSU

IGETC Foreign Language (required for UC only)

- *Prerequisite: None.*

Using the communicative approach, this course stresses the fundamentals of pronunciation, grammar, practical vocabulary, useful phrases, and the ability to understand, speak, read, and write simple Italian. Using fundamental sentence structures in the present and past tenses, students practice speaking and holding simple conversations in class

and writing compositions. Lectures and discussions are included covering geography, customs and culture in Italy. The course is conducted in Italian except in cases of linguistic difficulty as determined by the professor. Language lab is required.

ITAL 2, Elementary Italian II **5 units**

Transfer: UC, CSU

IGETC AREA 3B (Humanities), Foreign Language (required for UC only)

- *Prerequisite: Italian 1*.*

This course is a continuation of Italian 1 and completes the elementary grammar. The course stresses the fundamentals of pronunciation, grammar, practical vocabulary, useful phrases, and the ability to understand, speak, read, and write simple Italian. Using fundamental sentence structures in the present and past tenses, students practice speaking and holding simple conversations in class and writing compositions. The course includes the reading of simplified texts with emphasis on oral expression and further study of Italian history and culture. The course is conducted in Italian, except in the case of linguistic difficulty as determined by the professor. Language lab is required.

**The prerequisite for this course is comparable to two years of high school Italian.*

ITAL 3, Intermediate Italian I **5 units**

Transfer: UC, CSU

IGETC AREA 3B (Humanities)

- *Prerequisite: Italian 2*.*

This course is a review of Italian grammar with special emphasis on idiomatic constructions and expressions. It includes the study and reading, in and out of class, of selected passages from Italian literature. Basic literary analysis and vocabulary building are developed using the selected readings. Emphasis is also placed on the use of learned structures in compositions. This course is conducted in Italian except in cases of linguistic difficulty as determined by the professor.

**The prerequisite for this course is comparable to three years of high school Italian*

ITAL 4, Intermediate Italian 2 **5 units**

Transfer: UC, CSU

IGETC AREA 3B (Humanities)

- *Prerequisite: Italian 3*.*

This course reviews and refines grammatical concepts covered in the previous levels and further explores other moods and tenses such as the compound tenses, the imperative mood and indirect discourse. Culture, literature, vocabulary enhancement, and conversation are core elements of the curriculum. The course increases awareness of the Italian culture, history, literature, geography, and customs, including socio-political practices and cultural artifacts through reading and writing assignments, as well as oral presentations. It is taught in Italian except in cases of extreme difficulty as determined by the professor. It prepares students for literature and civilization classes.

**The prerequisite for this course is comparable to four years of high school Italian.*

ITAL 8, Conversational Italian **2 units**

Transfer: UC, CSU

- *Prerequisite: Italian 2.*

This course provides an opportunity to acquire intermediate fluency in spoken Italian with emphasis on natural, colloquial usage. New vocabulary and idiomatic phrases will be emphasized, and the students will hold conversations in Italian during each class. This course is conducted in Italian except in cases of linguistic difficulty as determined by the professor.

Japanese

Additional hours to be arranged in the Modern Language Lab for Elementary Japanese.

JAPAN 1, Elementary Japanese I **5 units**

Transfer: UC, CSU

IGETC Foreign Language (required for UC only)

- *Prerequisite: None.*

This course, using a communicative approach, introduces the student to Japanese sentence structure, basic vocabulary, and the two Japanese phonetic scripts of Hiragana, Katakana, plus a selected number of Kanji. Students learn to ask and answer basic questions and write about simple actions in the present/future and past tenses. They also are introduced to important elements of Japanese culture and customs of the Japanese people. This course is taught in Japanese unless in cases of linguistic difficulty as determined by the professor. Language lab is required.

JAPAN 2, Elementary Japanese II **5 units**

Transfer: UC, CSU

IGETC AREA 3B (Humanities), Foreign Language (required for UC only)

- *Prerequisite: Japanese 1*.*

This course is the continuation of Japanese 1. This course stresses more advanced vocabulary and more advanced sentence structures emphasizing short forms and te-forms. Students further develop oral and aural skills and reading comprehension skills by reading texts on various topics. They also hold conversations in both formal and informal styles of speech, and write compositions using short forms. This course also advances students' knowledge of Japanese culture and traditions. This course is taught in Japanese except in cases of linguistic difficulty as determined by the professor. Language lab is required.

**The prerequisite for this course is comparable to two years of high school Japanese.*

JAPAN 3, Intermediate Japanese I **5 units**

Transfer: UC, CSU

IGETC AREA 3B (Humanities)

- *Prerequisite: Japanese 2*.*

Focusing on four communication skills (listening, speaking, reading and writing), the course builds up a solid foundation for the Intermediate-Low Japanese, to achieve a practical command of language for managing everyday social interactions and routine tasks. The course also familiarizes students of different registers (spoken vs. written) and writing styles ("desu/masu" vs. essay). Reading materials include semi-authentic articles on specific topics and writing focuses on styles as well as multiple paragraph organization. Traditional and current aspects of the Japanese culture are explored throughout the course and studied in reading. This course is taught in Japanese unless in cases of linguistic difficulty as determined by the professor.

*The prerequisite for this course is comparable to three years of high school Japanese.

JAPAN 4, Intermediate Japanese II **5 units**

Transfer: UC, CSU

IGETC AREA 3B (Humanities)

- Prerequisite: Japanese 3*.

Focusing on four communication skills (listening, speaking, reading and writing), the course builds up a solid foundation for the intermediate-High Japanese and further develops proficiency to be able to manage relatively complex situations. The course also introduces honorific languages, in addition to colloquial informal register. The socially and culturally appropriate use of the language is exercised in a broader range of social contexts. Reading and writing put an extra emphasis on accuracy and pragmatic components as well as fluency. This course is taught in Japanese except in cases of linguistic difficulty as determined by the instructor.

*The prerequisite for this course is comparable to four years of high school Japanese.

JAPAN 8, Conversational Japanese **2 units**

Transfer: UC, CSU

- Prerequisite: Japanese 2.

This course provides the student with an opportunity to increase fluency in spoken Japanese with an emphasis on natural, colloquial usage. This course is taught in Japanese except in cases of linguistic difficulty as determined by the professor.

JAPAN 9, Japan: Culture and Civilization **3 units**

Transfer: UC, CSU

IGETC AREA 3B (Humanities)

- Prerequisite: None.

This course explores Japanese culture and civilization. Employing an interdisciplinary perspective, the course examines the fundamentals of Japanese culture and tradition including Japanese philosophy, religions, art forms, literature, cuisine, and language. The course will be taught in English. No knowledge of Japanese is required.

Journalism

Also see courses listed under Media Studies, Communication Studies, and Film Studies.

JOURN 1, The News **3 units**

Transfer: UC, CSU

C-ID: JOUR 110.

- Prerequisite: None.
- Advisory: Eligibility for English 1.

An introductory course in planning stories, news gathering, organizing and writing news across multiple platforms. Students learn to report and write news stories based on their own reporting, including original interviews and research, and how to use AP style. Stories include both news and features, and may include covering events, public lectures, meetings and other local stories. Students will be made aware of legal and ethical issues related to journalism.

JOURN 2, Intermediate Newswriting and Reporting **3 units**

Transfer: CSU

C-ID: JOUR 210.

An intermediate news writing and reporting class with a focus on public affairs beats, including local and regional governments, police, schools, courts and other civic agencies. Legal and ethical aspects of the profession are covered. Students will cover both on- and off-campus assignments and topics and explore reporting across multiple platforms

JOURN 3, Editing **3 units**

Transfer: CSU

- Skills Advisory: Journalism 1.

This course focuses on skills needed to edit articles and prepare graphics for publications in newspapers, magazines and online formats. The course covers copyediting, Associated Press style, photo sizing, page layout, web design and desktop publishing production. Practical skills such as making assignments and meeting deadlines will also be covered. Suggested for students who have completed or are enrolled in Journalism 8, 16 or 17.

JOURN 4A, Newscasting and Newswriting **3 units**

Transfer: CSU

- Prerequisite: None.

This course familiarizes the students with the expectations of journalism by the public and teaches the student the basic news writing guidelines used in broadcast journalism. Through news writing assignments and exercises, the student will become adept in basic broadcast news writing. *Journalism 4A is the same course as Media Studies 14. Students may earn credit for one, but not both.*

JOURN 4B, Advanced Newscasting and Broadcasting **3 units**

Transfer: CSU

- Prerequisite: Journalism 4A.

This is a continuation of Broadcasting 4A or Journalism 4A and through this course the student will write broadcast copy for a variety of news situations in radio and television. Assignments will include writing broadcast copy for SMC's campus station KWRF. Issues in media ethics and career opportunities will also be discussed.

Journalism 4B is the same course as Broadcasting 4B. Students may earn credit for one, but not both.

JOURN 8, Writing to Sell **3 units**

Transfer: CSU

- Prerequisite: None.
- Advisory: English Assessment Group A.

Students study article-writing opportunities for magazines, newspapers and online media. In this lecture and discussion class, students write freelance articles for submission to commercial and campus publications.

JOURN 15, Introduction to Multimedia Storytelling **3 units**

Transfer: CSU

C-ID: JOUR 120.

- Prerequisite: None.

This course provides an introduction to multimedia storytelling with a nonfiction focus. Students learn how to produce multimedia content such as digital videos, audio

slideshows, blogs, web pages, podcasts and other emerging digital media content. The course trains students to produce multimedia content for an online news site such as The Corsair, but is also useful for students with a more casual interest in multimedia production. Students also learn about ethical and social issues affecting multimedia storytelling.

JOURN 16, Producing the Campus Newspaper 4 units

Transfer: CSU

C-ID: JOUR 130.

- *Prerequisite: None.*

Student media practicum and lab where students produce media content with a journalistic focus that is distributed regularly to the campus community. Students work on regular news and feature assignments to produce content across multiple platforms, including print, online, visual (photography) audio, video and emerging formats. Includes practical experience in design, visual storytelling, digital media production, and multimedia reporting. Student produced media with students as production leaders is central to the class.

JOURN 17, Editing the Campus Newspaper 2 units

Transfer: CSU

C-ID: JOUR 131.

- *Prerequisite: Journalism 1.*

This course provides advanced instruction for student editors of the Corsair newspaper and its online edition. Students assign and copy edit stories and photos, work with writers and photographers on their assignments, design pages, “package” stories with graphics and photos, and solve ethical problems using accepted professional practices. Students will comprise the editing staff of the Corsair, including the editor in chief, page editors, copy editors, graphics editor, photo editor and online coordinator. Journalism 17 students may be concurrently enrolled in either Journalism 16 or Journalism 22/Photography 14. Journalism 17 may be repeated once for credit.

JOURN 18, Opinion Writing 3 units

Transfer: CSU

- *Prerequisite: Journalism 1.*
- *Skills Advisory: Minimum keyboarding skills.*

This course emphasizes techniques of presenting one’s opinion persuasively for print and online formats. Students will write arts reviews as well as editorial page articles, columns and blogs.

JOURN 19, Producing the Online Newspaper 3 units

Transfer: CSU

Journalism 16 and 19 combined can be taken four times.

Students will produce the online newspaper and study critical issues related to online journalism, including design, content, and ethics.

JOURN 19 recommended for students who are taking or have taken ET 14 or GR DES 66 Web Design 1 and/or ET 34 Web Animation 1.

JOURN 20, Producing Magazines for the Web 3 units

Transfer: CSU

- *Advisory: Eligibility for English 1.*

This course focuses on magazine production for the World Wide Web. Each student will create an interactive online magazine (“eZine”). The magazine will incorporate prin-

ciples of journalism as well as elements of the Internet medium, such as pictures, graphics, audio, and text, to create an interesting and informative multi-media eZine. Students will be responsible for all phases of the production, including developing themes and stories, writing, editing, graphical user interface construction, and photography. The magazines may incorporate video material from students in Broadcasting 46 or 48 classes. This course may be repeated once for credit.

JOURN 21, News Photography 3 units

Transfer: CSU

C-ID: JOUR 160.

- *Prerequisite: Photography 1.*

This survey course in basic news photography is designed for journalism or photography majors and students interested in having work published in magazines and newspapers. Students learn basic camera and storytelling techniques, photocomposition, and picture layout principles. A 35-mm single-lens reflex camera with manual focus capability is required.

Journalism 21 is the same course as Photography 13. Students may receive credit for one but not both.

JOURN 22, Photography for Publication 3 units

Transfer: CSU

- *Prerequisite: Journalism 21 or Photography 13.*

This advanced course provides an in-depth study of photojournalism with an emphasis on creation of photo story ideas, photo essays and feature photos for publication. Photo editing and layout for newspapers, magazines, and online publishing will be covered. Students will comprise the staff of the campus newspaper, The Corsair, and online publications. This course may be repeated once for credit. A 35-mm single-lens reflex camera with manual focus capability is required.

Journalism 22 is the same course as Photography 14. Students may earn credit for one, but not both.

JOURN 43, Public Relations and Publicity 3 units

Transfer: CSU

C-ID: JOUR 150.

- *Prerequisite: None.*

Formerly same course as Business 29.

This is a introductory course covering basic principles and objectives of public relations, including publicity and promotion techniques, effective communication strategies, message design and distribution, and modern and emerging public relations practices.

This course is the same as Business 29. Credit may be earned for either, but not both.

JOURN 90A, Internship in Journalism 1 unit

Transfer: CSU

- *Prerequisite: None.*

Students must arrange an approved internship prior to enrolling in this class. F-1 students must see the Immigration Coordinator at the International Education Center before enrolling.

Students become acquainted with careers in magazines, newspapers or online publications by working in a media company. Students spend a minimum of 60 hours during the term under the supervision of a media professional. Learning objectives and exit internship evaluation are required. Limited availability. Journalism 90A requires

60 hours (arranged 4 hours/week for 16-week semester); Journalism 90B requires 120 hours (8 hours/week for 16-week semester).

Students must have taken or be concurrently enrolled in at least one journalism class, with a minimum of seven units (including the internship) maintained throughout the semester at SMC. Limited availability.

JOURN 90B, Internship in Journalism 2 units

Transfer: CSU

- *Prerequisite: None.*

Students must arrange an approved internship prior to enrolling in this class. F-1 students must see the Immigration Coordinator at the International Education Center before enrolling.

Students become acquainted with careers in magazines, newspapers or online publications by working in a media company. Students spend a minimum of 60 hours during the term under the supervision of a media professional. Learning objectives and exit internship evaluation are required. Limited availability. Journalism 90A requires 60 hours (arranged 4 hours/week for 16-week semester); Journalism 90B requires 120 hours (8 hours/week for 16-week semester).

Students must have taken or be concurrently enrolled in at least one journalism class, with a minimum of seven units (including the internship) maintained throughout the semester at SMC. Limited availability.

Kinesiology Physical Education

*Maximum UC transfer credit for any or all of the courses combined is four units unless otherwise noted.

KIN PE 1A, Adaptive 1 unit

Transfer: UC*, CSU

- *Prerequisite: None.*

This course is designed for the physically handicapped student who wishes to participate in activities selected to meet individual preferences.

KIN PE 2, Achieving Lifetime Fitness 3 units

Transfer: UC*, CSU

- *Prerequisite: None.*

Please note: students are required to attend and participate in fitness labs. These exercise labs will include cardiovascular exercise, strength training, body weight exercise and more.

This is an introductory course designed to acquaint students with the benefits of physical activity in their lives. The course will aid students to create individual exercise programs after a survey of activity modules.

KIN PE 3, Introduction to Exercise Physiology I 3 units

Transfer: UC*, CSU

- *Prerequisite: None.*

**Maximum UC credit for KIN PE 2, 3, PRO CR 3, 4, 6A, 6B, 7, 8, 9, 29A, 29B combined is 8 units.*

This is an introduction to the principles of Exercise Physiology. The course will discuss topics related to exercise and human performance. These topics will include: energy

transfer and utilization, nutrition, and measurement of human performance as it relates to physical activity and life-long wellness. Students enrolling in this course should have some recent experience in science.

KIN PE 4, Introduction to Sport Psychology 3 units

Transfer: CSU

- *Prerequisite: None.*

This course will develop the connection between the mental and physical aspects of competition and the ways to enhance or improve one's performance. Psychological practices such as stress reduction, goal oriented imagery and positive visualization will be implemented with physical training methods to improve overall performance.

KIN PE 5A, Beginning Badminton 1 unit

Transfer: UC*, CSU

- *Prerequisite: None.*

This course covers the basic skills in playing badminton, including the rules and techniques of the basic skills: serving, underhand and overhand strokes.

KIN PE 5B, Intermediate Badminton 1 unit

Transfer: UC*, CSU

- *Prerequisite: None.*

This course continues with drills for the basic skills in playing badminton and introduces the doubles game. Doubles strategies and drills designed to improve placement and consistency are covered.

KIN PE 5C, Advanced Badminton 1 unit

Transfer: UC*, CSU

- *Prerequisite: None.*

This course covers the techniques and skills of badminton, including the rules and strategies for competitive play.

KIN PE 10A, Fitness Lab 1 unit

Transfer: UC*, CSU

- *Prerequisite: None.*

Formerly KIN PE 10.

This is a physical fitness course designed to develop and encourage positive attitudes and habits in a personalized exercise program. This program is designed to work both cardiovascular and muscle endurance components of fitness. The primary training activity is aerobic weight training circuits utilizing a sequence of weight lifting machines and cardiovascular exercise, organized into an "Aerobic Super Circuit". The aerobic super circuit combines low intensity, high repetition weight training with aerobic training (treadmills, steppers, bikes, etc.). Basics of training and flexibility are also covered.

KIN PE 10C, Advanced Fitness Lab 1 unit

Transfer: UC*, CSU

- *Prerequisite: None.*

This course is designed for students seeking high intensity training and conditioning. This class will emphasize development and improvement of an advanced fitness/cardiovascular levels. Course content will include anatomy, nutrition, biomechanics, and improvement through participation and assessment.

KIN PE 11A, Beginning Weight Training 1 unit

Transfer: UC*, CSU

- *Prerequisite: None.*

This class is a beginning level weight training course. It will cover all of the fundamentals of lifting and safety as well as core training and more. Students will be required to do an assigned program for half of the class. Students will design their own program for the second half of the class.

KIN PE 11B, Intermediate Weight Training 1 unit

Transfer: UC*, CSU

- *Prerequisite: None.*

This course is an intermediate level course in the various methods of weight training. It is intended to aid the students in evaluating their training and muscular development goals as well as setting up weight training programs to accomplish them.

KIN PE 11C, Advanced Weight Training 1 unit

Transfer: UC*, CSU

- *Prerequisite: None.*

This course is intended to aid students in evaluating their weight training, muscular development goals and to learn advanced concepts in strength training.

KIN PE 11N, Individual Weight Training 1 unit

Transfer: UC*, CSU

- *Prerequisite: None.*

This course is a strength laboratory experience designed to assist beginning and advanced students in refining their individualized weight training program.

KIN PE 14, Cross Country 1 unit

Transfer: UC*, CSU

- *Prerequisite: None.*

This course is designed to develop the mental and physical techniques necessary for distance running. Topics include aerobic and anaerobic training, physiological mechanics, as well as mental competitive strategies as they relate to distance running.

KIN PE 14B, Intermediate Cross Country 1 unit

Transfer: UC*, CSU

- *Prerequisite: None.*

This course is designed to develop the mental and physical techniques necessary for distance running. Topics include aerobic and anaerobic training, physiological mechanics, as well as mental competitive strategies as they relate to distance running.

KIN PE 14C, Advanced Cross Country 1 unit

Transfer: CSU, UC*

- *Prerequisite: None.*

This course is designed for students to take the knowledge gained in the intermediate course and learn to prepare their own training regimen for a competitive cross country season. The class will also focus on the psychological aspects and physiological effects of competitive endurance running.

KIN PE 15A, Cycling 1 unit

Transfer: UC*, CSU

- *Prerequisite: None.*

This course is designed to develop the mental and physical techniques necessary for utilizing and maintaining a bike for cardio endurance, fitness and recreation.

KIN PE 16A, Beginning Rock Climbing 1 unit

Transfer: UC*, CSU

- *Prerequisite: None.*

This course is an indoor rock climbing class that offers instruction and practice in the skills of rock climbing. Basic safety skills, belaying, and climbing techniques will be taught.

KIN PE 16B, Intermediate Rock Climbing 1 unit

Transfer: UC*, CSU

- *Prerequisite: Kin PE 16A or instructor's permission.*

This course is designed to further introduce the student to the sport of Rock Climbing through three different variations of the sport. Students will learn and practice Bouldering, Top Rope, and Lead climbing at an indoor rock climbing facility.

KIN PE 17, Boxing for Fitness 1 unit

Transfer: UC*, CSU

- *Prerequisite: None.*

This course will combine basic exercises and techniques from boxing and kickboxing to promote a fun and effective aerobic workout. Instruction will include boxing to music using gloves, focus pads and heavy bag exercises. These exercises will improve cardiovascular endurance, strength development, and flexibility for lifetime fitness.

KIN PE 19A, Fitness – Anaerobic Exercises 1 unit

Transfer: UC*, CSU

- *Prerequisite: None.*

Traditional strength exercises and weights are used to improve muscle strength and endurance. Students will learn basic principles of anaerobic training and concepts applicable for lifetime health and fitness.

KIN PE 19B, Fitness – Aerobic Exercises 1 unit

Transfer: UC*, CSU

- *Prerequisite: None.*

Exercise to music using step risers. Students will learn basics of fitness, exercise and aerobic conditioning.

KIN PE 19C, Fitness – Body Level Exercises 1 unit

Transfer: UC*, CSU

- *Prerequisite: None.*

Traditional and aerobic exercises are used to develop the body while concentrating on specific body areas.

KIN PE 19D, Fitness – Aquatic Exercises 1 unit

Transfer: UC*, CSU

- *Prerequisite: None.*

This course will implement exercises in the pool using water for resistance to achieve physical fitness.

KIN PE 19E, Pilates Mat Exercise 1 unit

Transfer: UC*, CSU

- *Prerequisite: None.*

This course is designed to introduce the student to Pilates mat technique of exercise. Pilates is a unique method of body control and conditioning. It consists of stretching and strengthening the muscles, while improving flexibility and balance.

KIN PE 25A, Beginning Golf 1 unit

Transfer: UC*, CSU

- *Prerequisite: None.*

This course is designed to teach basic fundamentals, rules, and etiquette of golf.

KIN PE 25B, Intermediate Golf 1 unit

Transfer: UC*, CSU

- *Prerequisite: KIN PE 25A.*

This course is a continuation of the basic skills of golf, especially in the area of short game, long irons, and woods.

KIN PE 25C, Advanced Golf 1 unit

Transfer: UC*, CSU

- *Prerequisite: None.*

This course provides an emphasis on playing rounds at local golf courses, types of competition, and the where-to-go and what-to-do of golf.

KIN PE 25D, Golf Player Development 1 unit

Transfer: UC*, CSU

- *Prerequisite: None.*

This course is designed to help students improve their golf skills so they can compete at the tournament level. The course will include improving students' knowledge of rules, swing techniques, and course playing strategies.

KIN PE 34A, Karate 1 unit

Transfer: UC*, CSU

- *Prerequisite: None.*

This course is designed as an introduction to traditional karate. The program focuses on the cultural and self-defense aspects of the art as it was originally taught. The style is fluid, mobile, and emphasizes grabbing, striking, and kicking. Students work on conditioning, partner work, solo forms (kata), and learning the traditions and etiquette of the martial art.

KIN PE 34B, Intermediate Karate 1 unit

Transfer: UC*, CSU

- *Prerequisite: KIN PE 34A or equivalent experience.*

This is an intermediate level course in traditional karate. Multi-step techniques, movement fluidity, and controlled one-on-one combat scenarios are emphasized. Power generation through breathing techniques and meditation is introduced at this level. Students learn traditional kata forms of "Seisan" and "Ananku". In addition to the Okinawan history of karate, global scale history of the martial arts is discussed.

KIN PE 34C, Advanced Intermediate Karate 1 unit

Transfer: UC (pending), CSU

- *Prerequisite: KIN PE 34B or equivalent experience.*

This is an advanced intermediate level course in traditional karate. Advanced techniques and movements not covered in the beginning and intermediate classes are introduced. Power generation through breathing techniques, whole body movement fluidity, and meditation is emphasized at a more advanced level than KIN PE 34B. Students learn advanced timing for traditional kata forms of "Seisan" and "Ananku," and some students are introduced to the kata "Wansu." Specific history associated with students' direct Okinawan karate lineage is discussed.

KIN PE 41M, Self Defense – Men 1 unit

Transfer: UC*, CSU

- *Prerequisite: None.*

This course provides knowledge of the laws relating to self-defense, basics of anatomy as applied to defense techniques, and physical techniques that are effective in self-defense. It also looks at violence in everyday life and how healthy masculinity can address the prevalence of violence, anger management, self-control, and bullying.

KIN PE 41W, Self Defense – Women 1 unit

Transfer: UC*, CSU

- *Prerequisite: None.*

This course provides knowledge of the laws relating to self defense, basics of anatomy as applied to defense techniques, and physical techniques that are effective in self defense.

KIN PE 53A, Table Tennis 1 unit

Transfer: UC*, CSU

- *Prerequisite: None.*

This class will cover all the basic strokes used in competitive table tennis. Students will learn basic techniques of the fundamental skills of the sport. Instruction includes rules, scoring and game etiquette.

KIN PE 53B, Intermediate Table Tennis 1 unit

Transfer: UC*, CSU

- *Prerequisite: None.*

This course is designed to teach the intermediate strokes used in competitive table tennis. Conditioning and intermediate level drills designed to improve placement and consistency, will be emphasized. Students enrolling in this course should have previous table tennis experience.

KIN PE 54A, Beginning Tennis, First Level 1 unit

Transfer: UC*, CSU

- *Prerequisite: None.*

Techniques and drill in fundamental skills, forehand and serve are introduced. Instruction includes rules, scoring, and court etiquette that prepares student for limited play.

KIN PE 54B, Beginning Tennis, Second Level 1 unit

Transfer: UC*, CSU

- *Prerequisite: None.*

This course continues with drills in basic skills and introduces more advanced strokes, lob, volley, and overhead smash. Game strategies for singles and doubles play are developed.

KIN PE 54C, Intermediate Tennis 1 unit

Transfer: UC*, CSU

- *Prerequisite: None.*

Conditioning and advanced drills designed to improve placement and consistency during match play are offered. Students must have some tennis experience to enroll in this course.

KIN PE 54D, Advanced Tennis 1 unit

Transfer: UC*, CSU

- *Prerequisite: None.*

This course is designed to improve play for competition in singles and doubles contests outside of school. Students must have experience playing the sport.

KIN PE 56A, Beginning Track and Field 1 unit

Transfer: UC*, CSU

- *Prerequisite: None.*

Students will learn the fundamentals of sprinting, hurdling and some long distance races. The shot put and jump will also be covered. Students will be presented with a history of the sport and the rules of competition.

KIN PE 56B, Intermediate Track and Field 1 unit

Transfer: UC*, CSU

- *Prerequisite: None.*

This course is designed for students with prior experience in the sport of track and field. Students will learn about middle distance and long distance events as well as the discus and high jump. Students will continue to work on running mechanics and learn about planning and organizing workouts.

KIN PE 58A, Beginning Yoga 1 unit

Transfer: UC*, CSU

- *Prerequisite: None.*

Basic yoga positions and exercises, control breathing, relaxation, meditation techniques, and stretching postures are addressed in the class.

All yoga classes require that students provide their own yoga mats.

KIN PE 58B, Intermediate Yoga 1 unit

Transfer: UC*, CSU

- *Prerequisite: None.*

Exposure to intermediate and advanced postures, relaxation, meditation, pranayama and concentration exercises are covered in the class.

All yoga classes require that students provide their own yoga mats.

KIN PE 58C, Advanced Yoga 1 unit

Transfer: UC*, CSU

- *Prerequisite: None.*

This is an in-depth yoga course for the advanced student who has previous yoga experience resulting in knowledge of 25 basic poses. Deeper and expanded study of the standing poses and basic posture, shoulder hand variations, and back bends.

All yoga classes require that students provide their own yoga mats.

KIN PE 88A, Independent Studies in Physical Education 1 unit

Transfer: CSU

Please see "Independent Studies" section.

KIN PE 88B, Independent Studies in Physical Education 2 units

Transfer: CSU

Please see "Independent Studies" section.

Kinesiology Physical Education Aquatics

*Maximum UC transfer credit for any or all of the courses combined is four units.

KIN PE 48A, Beginning Swimming 1 unit

Transfer: UC*, CSU

- *Prerequisite: None.*

This course is for students with limited or no experience in swimming. Instruction begins with floating to freestyle with rhythmic breathing and progresses to back float, and backstroke. Students then will be introduced to the short-axis competitive strokes-- butterfly and breast stroke.

KIN PE 48B, Elementary Swimming 1 unit

Transfer: UC*, CSU

- *Prerequisite: None.*

This course is designed for second level swimmers. Concentration is on stroke instruction and conditioning. Swimmers must be able to complete 25 yards of freestyle with side breathing in deep water.

KIN PE 48C, Intermediate Swimming 1 unit

Transfer: UC*, CSU

- *Prerequisite: None.*

This course provides instruction and practice in all swimming strokes and competition. Emphasis is placed on performance and conditioning.

KIN PE 48D, Advanced Swimming 1 unit

Transfer: UC*, CSU

- *Prerequisite: None.*

This course provides advanced instruction and practice in swimming strokes and competition. Emphasis is placed on performance and conditioning.

KIN PE 49A, Board Diving 1 unit

Transfer: UC*, CSU

- *Prerequisite: None.*

This course provides instruction and practice in the mastery of a variety of intricate diving techniques. This course is open to divers of all skill levels from beginning to advanced.

KIN PE 49C, Skin Diving 1 unit

Transfer: UC*, CSU

- *Prerequisite: KIN PE 48C.*

This course covers the basic skills needed to skin dive safely. Emphasis is also placed on conditioning and strokes.

KIN PE 49D, Basic SCUBA 3 units

Transfer: UC*, CSU

- *Prerequisite: None.*

This course offers instruction and practice in the skills of Self Contained Underwater Breathing Apparatus (SCUBA). The instruction will include open water diving, pool dives and using the no-decompression dive tables. Successful completion of course requirements leads to Los Angeles County Basic SCUBA and NAUI (National Association of Underwater Instructors) Certificates.

Additional fees for equipment rental will apply.

KIN PE 50A, Beginning Water Polo 1 unit

Transfer: UC*, CSU

- *Prerequisite: None.*

This course is an introduction to the aquatic sport of water polo, and provides instruction in the basic skills and conditioning.

KIN PE 50C, Advanced Water Polo **1 unit**

Transfer: UC*, CSU

- *Prerequisite: None.*

This course develops advanced skills and covers strategies of the game of water polo with an emphasis on competitive situations.

KIN PE 51A, Beginning Surfing **1 unit**

Transfer: UC*, CSU

- *Advisory: KIN PE 48C.*

This class is designed to cover the fundamentals of various techniques of surfing. Emphasis is placed on performance and conditioning for surfing.

KIN PE 51B, Intermediate Surfing **1 unit**

Transfer: UC*, CSU

- *Prerequisite: None.*
- *Advisory: KIN PE 48D or KIN PE 51A.*

This class is designed to cover various intermediate techniques for surfing. Emphasis is placed on performance and conditioning for surfing.

Kinesiology Physical Education Professional Courses

PRO CR 3, Coaching of Racquet Sports **3 units**

Transfer: UC*, CSU

**Maximum UC credit for KIN PE 2, 3, PRO CR 3, 4, 6A, 6B, 7, 8, 9, 29A, 29B combined is 8 units.*

This course provides experience in techniques of teaching and coaching racquet sports at the high school or college level. The course will focus primarily on tennis, badminton, and racquetball.

PRO CR 4, Coaching of Track and Field **3 units**

Transfer: UC*, CSU

- *Prerequisite: None.*

**Maximum UC credit for KIN PE 2, 3, PRO CR 3, 4, 6A, 6B, 7, 8, 9, 29A, 29B combined is 8 units.*

This course provides experience and techniques of coaching and teaching track and field events at the high school or college level.

PRO CR 6A, Coaching of Football **3 units**

Transfer: UC*, CSU

- *Prerequisite: None.*

**Maximum UC credit for KIN PE 2, 3, PRO CR 3, 4, 6A, 6B, 7, 8, 9, 29A, 29B combined is 8 units.*

This course offers instruction and practice in the skills of football. The course will also provide experience in teaching and coaching techniques of football at the high school or college level.

PRO CR 6B, Coaching of Baseball **3 units**

Transfer: UC*, CSU

- *Prerequisite: None.*

**Maximum UC credit for KIN PE 2, 3, PRO CR 3, 4, 6A, 6B, 7, 8, 9, 29A, 29B combined is 8 units.*

This course offers instruction and practice in the skills and drills of baseball, plus experience in teaching and coaching techniques at the high school or college level.

PRO CR 7, Coaching of Soccer **3 units**

Transfer: UC*, CSU

- *Prerequisite: None.*

**Maximum UC credit for KIN PE 2, 3, PRO CR 3, 4, 6A, 6B, 7, 8, 9, 29A, 29B combined is 8 units.*

This course is designed to prepare physical education teachers in theory of coaching soccer at the High school, Collegiate, or Club level. This course will include the mental and physical preparation of becoming a coach, a comprehensive analysis of fundamental skills, game strategy, team offense and team defense through lecture, participation, and analysis of rules, and instructional procedures.

PRO CR 8, Coaching of Basketball **3 units**

Transfer: UC*, CSU

- *Prerequisite: None.*

**Maximum UC credit for KIN PE 2, 3, PRO CR 3, 4, 6A, 6B, 7, 8, 9, 29A, 29B combined is 8 units.*

This course is designed to prepare physical education teachers in the theory of coaching basketball at the high school, collegiate, and club level. This course studies the various aspects of coaching basketball. The emphasis of the class will be on the theory of how to organize a basketball program from start to finish of a season, off-season recruiting and conditioning. The development of individual/team skills both offensive and defensive will be examined. This course includes a comprehensive analysis of the principle of movement, motor skills and strategy concepts used in basketball.

PRO CR 9, Coaching of Volleyball **3 units**

Transfer: UC*, CSU

- *Prerequisite: None.*

**Maximum UC credit for KIN PE 2, 3, PRO CR 3, 4, 6A, 6B, 7, 8, 9, 29A, 29B combined is 8 units.*

This course is designed to prepare physical education teachers in theory of coaching volleyball at the High school, Collegiate, or Club level. This course will emphasize development and improvement of fundamental volleyball skills. Course content will include strategy and improvement through participation, analysis of rules, instructional procedures and coaching techniques.

PRO CR 10, Introduction to Kinesiology **3 units**

Transfer: UC, CSU

C-ID: KIN 100.

- *Prerequisite: None.*

This course provides the student with an overview of the scope, history, and philosophy of the profession. Included is an in-depth look at requirements and preparation for employment opportunities.

PRO CR 11, Introduction to Sports Injuries **3 units**

Transfer: UC, CSU

- *Prerequisite: None.*

This course introduces the student to the anatomy and physiology of sports injuries. The prevention and treatment of injuries as well as techniques of applying supportive materials are included.

PRO CR 12, Emergency Care and Water Safety **3 units**

Transfer: UC, CSU

- *Prerequisite: KIN PE 48B.*

Ability to swim 300 consecutive yards using various strokes required.

This course deals with preventing accidents, caring for common injuries, and emergency procedures at the scene of accidents or sudden illness and learning fundamental principles behind teaching water safety. The instruction will include the practice of American Red Cross senior life saving, water safety, lifeguard training, first aid, and CPR/AED for the professional rescuer. Successful completion of course requirements leads to American National Red Cross advanced first aid, blood borne pathogens, CPR, Water Safety Instructor certificates, and fundamentals of instructor training.

PRO CR 15, Sports Management **3 units**

Transfer: CSU

- *Prerequisite: None.*

This introductory leadership course provides foundation for the preparation of future sport managers. The course addresses sport management, sport law, sport marketing, sport finance, sport ethics and sport history. This course also discusses the support systems necessary to sustain the sport industry such as broadcasting, media relations, and facility and event management. Guest lecturers may be arranged and field trips may be required.

PRO CR 19, Field Experience **2 units**

Transfer: CSU

- *Prerequisite: None.*

This course offers the student an opportunity to plan, organize, and conduct a beginning level activity class of his or her choice as a teaching assistant with a member of the physical education department.

PRO CR 25, Personal Trainer Preparation **3 units**

Transfer: CSU

This course gives students the knowledge and understanding necessary to prepare for the ACE Personal Trainer Certification Exam and become effective personal trainers. This is a comprehensive course for designing individualized programs based on each client's unique health, fitness, and goals. This course helps students learn how to facilitate rapport, adherence, self-efficacy and behavior change in clients, as well as design programs that help clients to improve posture, movement, flexibility, balance, core function, cardiorespiratory fitness, and muscular endurance and strength.

PRO CR 29A, Officiating Fall Sports **3 units**

Transfer: UC*, CSU

- *Prerequisite: None.*

**Maximum UC credit for KIN PE 2, 3, PRO CR 3, 4, 6A, 6B, 7, 8, 9, 29A, 29B combined is 8 units.*

This course provides a study of the principles and mechanics of officiating fall sports. Students will gain field experience in officiating team sports on campus and with local recreation departments. Fall sports may include: football (flag), basketball, soccer, water polo, and volleyball.

PRO CR 29B, Officiating Spring Sports **3 units**

Transfer: UC*, CSU

- *Prerequisite: None.*

**Maximum UC credit for KIN PE 2, 3, PRO CR 3, 4, 6A, 6B, 7, 8, 9, 29A, 29B combined is 8 units.*

This course provides a study of the principles and mechanics of officiating spring sports. Students will gain field experience in officiating team sports on campus and with local recreation departments. Spring sports may include: baseball, softball, swimming, volleyball, track and field, and golf.

Kinesiology Physical Education Team Sports

KIN PE 7C, Advanced Baseball for Men **1 unit**

Transfer: UC*, CSU

- *Prerequisite: None.*

This course is designed to provide an opportunity to experience a competitive situation similar to intercollegiate competition

KIN PE 9A, Beginning Basketball **1 unit**

Transfer: UC*, CSU

- *Prerequisite: None.*

This is an activity course designed to introduce the student to basketball skills and rules.

KIN PE 9B, Intermediate Basketball **1 unit**

Transfer: UC*, CSU

- *Prerequisite: KIN PE 9A.*

This course is designed to introduce the student to the strategies of team defensive basketball. Topics include the skills required to play defense, drills to improve on those skills, development of defensive strategies and drills to improve in the execution of those strategies.

KIN PE 9C, Advanced Basketball **1 unit**

Transfer: UC*, CSU

- *Prerequisite: KIN PE 9B.*

This is an activity course designed with an emphasis on high level competition among students with previous experience. The course stresses advanced fundamentals and strategies.

KIN PE 9W, Advanced Basketball for Women **1 unit**

Transfer: UC*, CSU

- *Prerequisite: None.*

This is an activity course designed with an emphasis on high level competition among students with previous experience. The course stresses advanced fundamentals and strategies.

KIN PE 21, Coed Touch Football **1 unit**

Transfer: UC*, CSU

- *Prerequisite: None.*

This course covers rules, strategies, and skills necessary to successfully participate in touch football as a leisure time activity.

KIN PE 21C, Advanced Football for Men 1 unit

Transfer: UC*, CSU

- *Prerequisite: None.*

This course is a continuation of beginning touch football concentrating on position skills and strategies.

KIN PE 43A, Beginning Soccer 1 unit

Transfer: UC*, CSU

- *Prerequisite: None.*

This course is designed to introduce the student to soccer skills and rules. The student will participate in soccer activities with an emphasis on the technical side of the game.

KIN PE 43B, Intermediate Soccer 1 unit

Transfer: UC*, CSU

- *Prerequisite: None.*

This course is designed to build on the skills developed in beginning soccer. It will review and improve the basic skills of the sport as well as introduce more technical skills and intricacies of the game. Students will participate in soccer drilling, training and play with an emphasis on the technical side of the game.

KIN PE 43C, Advanced Soccer 1 unit

Transfer: UC*, CSU

- *Prerequisite: None.*

This course is a continuation of the introductory soccer course with an emphasis placed on advanced technical skills and an introduction to team tactics and systems of play.

KIN PE 43D, Competitive Soccer 1 unit

Transfer: UC*, CSU

- *Prerequisite: None.*

This course offers competitive soccer for the most advanced students. Students will be able to improve their technical skills as well as improve their team play. Classes will be run similar to team practices with physical training and competitive drilling and play.

KIN PE 45A, Beginning Softball 1 unit

Transfer: UC*, CSU

- *Prerequisite: None.*

This course is designed for individuals who have not played organized softball. Basics for throwing, fielding, hitting, and base running are covered.

KIN PE 45C, Advanced Softball 1 unit

Transfer: UC*, CSU

- *Prerequisite: None.*

This course is designed for individuals with above average skills. Activities are centered around skills learned in KIN PE 45A game situations.

KIN PE 46, Performance Cheerleading 1 unit

Transfer: UC*, CSU

- *Prerequisite: None.*

This course is designed to develop performance-level cheerleading skills and routines. The course provides a consistent laboratory for the development and enhancement of the skills required to participate in cheerleading. The improvement of cardiovascular fitness, muscular strength, and flexibility will be necessary for the high performance of cheerleading. Performance, safety, and cooperation will be

emphasized in the course. Students will perform at selected athletic events as a team.

KIN PE 57A, Beginning Volleyball 1 unit

Transfer: UC*, CSU

- *Prerequisite: None.*

This course covers the basic skills for playing volleyball as well as the rules and etiquette for indoor volleyball.

KIN PE 57B, Intermediate Volleyball 1 unit

Transfer: UC*, CSU

- *Prerequisite: KIN PE 57A.*

This course covers techniques and strategies in playing six-person, four-person and two-person volleyball. The continuing development of high level skills is emphasized.

KIN PE 57C, Advanced Volleyball 1 unit

Transfer: UC*, CSU

- *Prerequisite: KIN PE 57B.*

This course covers advanced techniques and strategies of the game in a competitive class situation. The continuing development of high level skills is emphasized.

KIN PE 59A, Beginning Beach Volleyball 1 unit

Transfer: UC*, CSU

- *Prerequisite: None.*

This course covers basic techniques and strategies in playing beach volleyball. The beginning fundamentals, rules and etiquette are emphasized.

KIN PE 59B, Intermediate Beach Volleyball 1 unit

Transfer: UC*, CSU

- *Prerequisite: None.*

This course covers techniques and strategies in playing power beach volleyball at the four and two-person level. The continuing development of high level skills is emphasized.

KIN PE 59C, Advanced Beach Volleyball 1 unit

Transfer: UC*, CSU

- *Prerequisite: None.*

This course covers advanced techniques and strategies of beach volleyball in a competitive class situation. The continuing development of high level skills is emphasized.

Varsity Intercollegiate Sports – Men

Athletic courses provide an opportunity for inter-conference, invitational, sectional or state involvement at a high level of mental and physical competition. Athletic excellence is stressed throughout. One repeat of each varsity sport is allowed. Maximum credit for UC transfer for any or all of these courses combined is four units.

VAR PE 9V, Varsity Basketball for Men 3 units

Transfer: UC, CSU

This basketball course provides a consistent laboratory for the development and enhancement of the skills required to participate in intercollegiate basketball. The course is in conjunction with regular season practice and competitions as scheduled by the local and state community college athletics organizations. This class is recommended for those

students that plan on participating on the intercollegiate varsity team. Previous experience on a club or high school team is preferred. One repeat is allowed.

Must be enrolled in at least 12 units, including this course.

VAR PE 14V, Varsity Cross Country for Men 3 units

Transfer: UC, CSU

This cross country course provides a consistent laboratory for the development and enhancement of the skills required to participate in intercollegiate cross country. The course is in conjunction with regular season practice and competitions as scheduled by the local and state community college athletics organizations. This class is recommended for those students that plan on participating on the intercollegiate varsity team. Previous experience on a club or high school team is preferred. One repeat is allowed.

Must be enrolled in at least 12 units, including this course.

VAR PE 20V, Advanced Football for Men 1 unit

Transfer: UC, CSU

This course is designed with an emphasis on a high level of competition among students with previous experience in competitive football. The course stresses the development of advanced skills and strategies for competitive intercollegiate football.

VAR PE 21V, Varsity Football for Men 3 units

Transfer: UC, CSU

The varsity football course provides a consistent laboratory for the development and enhancement of the skills required to participate in intercollegiate football. The course is in conjunction with regular season practice and conference games as scheduled by the local and state community college athletics organizations. This class is recommended for those students that plan on participating on the intercollegiate varsity team. Previous experience on a club or high school team is preferred. One repeat is allowed.

Must be enrolled in at least 12 units, including this course.

VAR PE 43V, Varsity Soccer for Men 3 units

Transfer: UC, CSU

This varsity soccer course provides a consistent laboratory for the development and enhancement of the skills required to participate in intercollegiate soccer. The course is in conjunction with regular season practice and competitions as scheduled by the local and state community college athletics organizations. This class is recommended for students that plan on participating on the intercollegiate varsity team. Previous experience on a club or high school team is preferred. One repeat is allowed.

Must be enrolled in at least 12 units, including this course.

VAR PE 48V, Varsity Swimming and Diving for Men 3 units

Transfer: UC, CSU

This varsity swimming and diving course provides a consistent laboratory for the development and enhancement of the skills required to participate in intercollegiate swimming and diving. The course is in conjunction with regular season practice and competitions as scheduled by the local and state community college athletics organizations. This class is recommended for those students that plan on participating on the intercollegiate varsity team. Previous

experience on a club or high school team is preferred. One repeat is allowed.

Must be enrolled in at least 12 units, including this course.

VAR PE 50V, Varsity Water Polo for Men 3 units

Transfer: UC, CSU

This varsity water polo course provides a consistent laboratory for the development and enhancement of the skills required to participate in men's intercollegiate water polo. The course is in conjunction with regular season practice and competitions as scheduled by the local and state community college athletics organizations. This class is recommended for those students that plan on participating on the intercollegiate varsity team. Previous experience on a club or high school team is preferred. One repeat is allowed.

Must be enrolled in at least 12 units, including this course.

VAR PE 56V, Varsity Track and Field for Men 3 units

Transfer: UC, CSU

This varsity track and field course provides a consistent laboratory for the development and enhancement of the skills required to participate in intercollegiate track and field. The course is in conjunction with regular season practice and competitions as scheduled by the local and state community college athletics organizations. This class is recommended for those students that plan on participating on the intercollegiate varsity team. Previous experience on a club or high school team is preferred. One repeat is allowed.

Must be enrolled in at least 12 units, including this course.

VAR PE 57V, Varsity Volleyball for Men 3 units

Transfer: UC, CSU

This varsity volleyball course provides a consistent laboratory for the development and enhancement of the skills required to participate in men's intercollegiate volleyball. The course is in conjunction with regular season practice and competitions as scheduled by the local and state community college athletics organizations. This class is recommended for those students that plan on participating on the intercollegiate varsity team. Previous experience on a club or high school team is preferred. One repeat is allowed.

Must be enrolled in at least 12 units, including this course.

Varsity Intercollegiate Sports – Women

Athletic courses provide an opportunity for inter-conference, invitational, sectional or state involvement at a high level of mental and physical competition. Athletic excellence is stressed throughout. One repeat of each varsity sport is allowed. Maximum credit for UC transfer for any or all of these courses combined is four units.

VAR PE 9W, Varsity Basketball for Women 3 units

Transfer: UC, CSU

This varsity basketball course provides a consistent laboratory for the development and enhancement of the skills required to participate in women's intercollegiate basketball. The course is in conjunction with regular season practice and competitions as scheduled by the local and

state community college athletics organizations. This class is recommended for those students that plan on participating on the intercollegiate varsity team. Previous experience on a club or high school team is preferred. One repeat is allowed.

Must be enrolled in at least 12 units, including this course.

VAR PE 14W, Varsity Cross Country for Women **3 units**

Transfer: UC, CSU

This cross country course provides a consistent laboratory for the development and enhancement of the skills required to participate in intercollegiate cross country. The course is in conjunction with regular season practice and competitions as scheduled by the local and state community college athletics organizations. This class is recommended for those students that plan on participating on the intercollegiate varsity team. Previous experience on a club or high school team is preferred. One repeat is allowed.

Must be enrolled in at least 12 units, including this course.

VAR PE 43W, Varsity Soccer for Women **3 units**

Transfer: UC, CSU

This varsity soccer course provides a consistent laboratory for the development and enhancement of the skills required to participate in intercollegiate soccer. The course is in conjunction with regular season practice and competitions as scheduled by the local and state community college athletics organizations. This class is recommended for students that plan on participating on the intercollegiate varsity team. Previous experience on a club or high school team is preferred. One repeat is allowed.

Must be enrolled in at least 12 units, including this course.

VAR PE 45W, Varsity Softball for Women **3 units**

Transfer: UC, CSU

This varsity softball course provides a consistent laboratory for the development and enhancement of the skills required to participate in intercollegiate softball. The course is in conjunction with regular season practice and competitions as scheduled by the local and state community college athletics organizations. This class is recommended for those students that plan on participating on the intercollegiate varsity team. Previous experience on a club or high school team is preferred. One repeat is allowed.

Must be enrolled in at least 12 units, including this course.

VAR PE 48W, Varsity Swimming and Diving for Women **3 units**

Transfer: UC, CSU

This varsity swimming and diving course provides a consistent laboratory for the development and enhancement of the skills required to participate in intercollegiate swimming and diving. The course is in conjunction with regular season practice and competitions as scheduled by the local and state community college athletics organizations. This class is recommended for those students that plan on participating on the intercollegiate varsity team. Previous experience on a club or high school team is preferred. One repeat is allowed.

Must be enrolled in at least 12 units, including this course.

VAR PE 50W, Varsity Water Polo for Women **3 units**

Transfer: UC, CSU

This varsity water polo course provides a consistent laboratory for the development and enhancement of the skills required to participate in women's intercollegiate water polo. The course is in conjunction with regular season practice and competitions as scheduled by the local and state community college athletics organizations. This class is recommended for those students that plan on participating on the intercollegiate varsity team. Previous experience on a club or high school team is preferred. One repeat is allowed.

Must be enrolled in at least 12 units, including this course.

VAR PE 54W, Varsity Tennis for Women **3 units**

Transfer: UC, CSU

This varsity tennis course provides a consistent laboratory for the development and enhancement of the skills required to participate in intercollegiate tennis. The course is in conjunction with regular season practice and competitions as scheduled by the local and state community college athletics organizations. This class is recommended for those students that plan on participating on the intercollegiate varsity team. Previous experience on a club or high school team is preferred. One repeat is allowed.

Must be enrolled in at least 12 units, including this course.

VAR PE 56W, Varsity Track and Field for Women **3 units**

Transfer: UC, CSU

This varsity track and field course provides a consistent laboratory for the development and enhancement of the skills required to participate in women's intercollegiate track and field. The course is in conjunction with regular season practice and competitions as scheduled by the local and state community college athletics organizations. This class is recommended for those students that plan on participating on the intercollegiate varsity team. Previous experience on a club or high school team is preferred. One repeat is allowed.

Must be enrolled in at least 12 units, including this course.

VAR PE 57W, Varsity Volleyball for Women **3 units**

Transfer: UC, CSU

This varsity volleyball course provides a consistent laboratory for the development and enhancement of the skills required to participate in women's intercollegiate volleyball. The course is in conjunction with regular season practice and competitions as scheduled by the local and state community college athletics organizations. This class is recommended for those students that plan on participating on the intercollegiate varsity team. Previous experience on a club or high school team is preferred. One repeat is allowed.

Must be enrolled in at least 12 units, including this course.

VAR PE 60, Conditioning for Intercollegiate Sport **1 unit**

Transfer: UC, CSU

- *Prerequisite: None.*

This conditioning course provides a consistent laboratory for sport specific training and conditioning related to intercollegiate athletics participation. Emphasis is on individual

and team activities that contribute to advancement in their designated sport.

Korean

Additional hours to be arranged in the Modern Language Lab for Elementary Korean.

KOREAN 1, Elementary Korean I **5 units**

Transfer: UC, CSU

IGETC Foreign Language (required for UC only)

- *Prerequisite: None.*

This course teaches the Korean Hangul by applying the natural approach in the classroom. The materials are designed to encourage the students to feel free to interact in Korean as naturally and as spontaneously as possible. It introduces vocabulary skills, decoding skills, and fundamental sentence structures in the present and past. Pronunciation, grammar, and everyday vocabulary are stressed as indispensable tools for comprehension and expression. Aspects of Korean culture and history are covered as well. Language lab is required.

KOREAN 2, Elementary Korean II **5 units**

Transfer: UC, CSU

IGETC AREA 3B (Humanities), Foreign Language (required for UC only)

- *Prerequisite: Korean 1*.*

This course is a continuation of Korean 1. Using the natural approach, this course stresses vocabulary and fundamental sentence structure in the past and future indicative tenses and in the subjunctive mode. Basic aural and reading comprehension is also developed. Students will hold simple conversations, learning common sayings, and write short compositions about past and future actions. Readings of simplified texts and study of Korean culture are included. Language lab is required.

**The prerequisite for this course is comparable to two years of high school Korean.*

KOREAN 3, Intermediate Korean I **5 units**

Transfer: UC, CSU

- *Prerequisite: Korean 2 or skills equivalent to that of Korean 2*.*

This course is a continuation of Korean 2 and teaches Korean by applying the Natural Approach in the classroom. Materials are designed to encourage students to interact in Korean as naturally and as spontaneously as possible. Developed in accordance with performance-based principles and methodology, the course is learner-centered using primary resources and function/task-oriented balancing acquiring and using skills. The integration of speaking, listening, reading, writing, and culture is stressed. Grammar points are systematically introduced with simple but adequate explanations and abundant examples, exercises, and drills. Aspects of Korean culture and history are covered as well.

**The prerequisite for this course is comparable to three years of high school Korean.*

KOREAN 4, Intermediate Korean 2 **5 units**

Transfer: UC, CSU

IGETC AREA 3B (Humanities)

- *Prerequisite: Korean 3 or equivalent skills.*

This course builds on language skills developed in Korean 3. The course will review and expand on intermediate Korean grammar, provide practice in the use of set phrases and idioms, and further develop skills in reading and writing. It will enrich vocabulary, further develop reading comprehension, provide opportunity for improving intermediate level writing and conversational skills; and it will encompass aspects of Korean culture and history. This course is taught in Korean unless in cases of linguistic difficulty as determined by the professor.

Library Studies

LIBR 1, Library Research Methods **1 unit**

Transfer: UC, CSU

- *Prerequisite: None.*

This course is designed to introduce students to library research and resources available in academic libraries to facilitate formal course work at all levels. Through effective use of both paper and electronic resources, students learn to access information in reference works, books, periodicals, and government documents. This course also presents techniques for successfully compiling sources for the research paper, including topic selection, documentation, and bibliography production. Recommended for all students.

LIBR 3, Advanced Library Research Methods **3 units**

Transfer: UC, CSU

- *Prerequisite: None.*

This course will provide students with advanced library research skills necessary to do research in all academic and other libraries. Students will learn how to identify information needs, devise research strategies, access information resources, and evaluate and document resources used in research. Through lecture and research assignments, students will master the methods for utilizing both print and electronic resources, including library catalogs, databases, and internet resources. This course will provide students with advanced library research skills necessary to do research in all academic and other libraries. Students will learn how to identify information needs, devise research strategies, access information resources, and evaluate and document resources used in research. Through lecture and research assignments, students will master the methods for utilizing both print and electronic resources, including library catalogs, databases, and internet resources.

Linguistics

LING 1, Introduction to Linguistics **3 units**

Transfer: UC, CSU

IGETC AREA 3B (Humanities)

- *Prerequisite: None.*

This course satisfies the Santa Monica College Global Citizenship requirement.

This course is an introduction to the study of language. It provides an overview of the field of linguistics, its three dimensions of language structure: the sound system (phonetics and phonology), vocabulary (morphology), and grammar (syntax), and the way linguistic structure and context give rise to meaning (semantics and pragmat-

ics). In addition the course considers how social practices are shaped by and shape language use, as well as how language is acquired and learned. The course provides a grounding in linguistics as a field of study, basic analytic skills for viewing and discussing language from a variety of perspectives, and greater awareness of the relevance of language across and within cultures.

Mathematics

Students new to the Santa Monica College mathematics program who wish to enroll in a course must take the Math Assessment test before enrolling. A student who has successfully completed college level math courses (earned a grade of C or better) at another institution may be able to verify having met prerequisites by submitting an official transcript. Continuing students must complete prerequisite courses with a grade of "C" or better.

Some of the courses listed in this section are accompanied by Supplemental Instruction. Supplemental Instruction (SI) is an academic assistance program that utilizes free peer-assisted weekly study sessions to help students learn the most difficult course content. For more information, please see the SI website at www.smc.edu/si.

MATH 2, Precalculus 5 units

Transfer: UC*, CSU

IGETC AREA 2 (*Mathematical Concepts*)

- Prerequisite: Math 20 and Math 32.
- Advisory: Eligibility for English 1.

*Maximum UC credit for Math 2 and 26 is one course.

An intensive preparation for calculus. This course is intended for computer science, engineering, mathematics, and natural science majors. Topics include algebraic, exponential, logarithmic and trigonometric functions and their inverses and identities, conic sections, sequences, series, the binomial theorem and mathematical induction.

MATH 7, Calculus 1 5 units

Transfer: UC*, CSU

IGETC AREA 2 (*Mathematical Concepts*)

- Prerequisite: Math 2.

*Maximum UC credit for Math 7 and 28 is one course.

This first course in calculus is intended primarily for science, technology, engineering and mathematics majors. Topics include limits, continuity, and derivatives and integrals of algebraic and trigonometric functions, with mathematical and physical applications.

MATH 8, Calculus 2 5 units

Transfer: UC*, CSU

IGETC AREA 2 (*Mathematical Concepts*)

- Prerequisite: Math 7.

*Maximum UC credit for Math 8 and 29 is one course.

This second course in calculus is intended primarily for science, technology, engineering, and mathematics majors. Topics include derivatives and integrals of transcendental functions with mathematical and physical applications, indeterminate forms and improper integrals, infinite sequences and series, and curves, including conic sections, described by parametric equations and polar coordinates.

MATH 10, Discrete Structures 3 units

Transfer: UC, CSU

IGETC AREA 2 (*Mathematical Concepts*)

- Prerequisite: Math 8.

Formerly same course as CS 10.

This course is intended for computer science, engineering, and mathematics majors. Topics include proof techniques, cardinality of sets, partial orderings and equivalence relations, symbolic logic and valid arguments, permutations and combinations with repetition, and an introduction to graph theory.

MATH 11, Multivariable Calculus 5 units

Transfer: UC, CSU

IGETC AREA 2 (*Mathematical Concepts*)

- Prerequisite: Math 8.

Topics include vectors and analytic geometry in two and three dimensions, vector functions with applications, partial derivatives, extrema, Lagrange Multipliers, multiple integrals with applications, vector fields. Green's Theorem, the Divergence Theorem, and Stokes' Theorem.

MATH 13, Linear Algebra 3 units

Transfer: UC, CSU

IGETC AREA 2 (*Mathematical Concepts*)

- Prerequisite: Math 8.
- Skills Advisory: Eligibility for English 1.

Topics include matrices and linear transformations; abstract vector spaces and subspaces; linear independence and bases; determinants; systems of linear equations; eigenvalues and eigenvectors.

MATH 15, Ordinary Differential Equations 3 units

Transfer: UC, CSU

C-ID: MATH 240.

IGETC AREA 2 (*Mathematical Concepts*)

- Prerequisite: Math 8.

This course is an introduction to ordinary differential equations. Topics include first order equations, linear equations, reduction of order, variation of parameters, spring motion and other applications, Cauchy-Euler equations, power series solutions, Laplace transform, and systems of linear differential equations.

MATH 18, Intermediate Algebra for Statistics and Finite Mathematics 3 units

- Prerequisite: Math 31.

Maximum allowable units for Math 18 and Math 20 is 5 units.

Topics include linear, quadratic, exponential and logarithmic functions and equations; systems of linear equations and inequalities; sequences and series. The emphasis is on setting up and solving applications of the algebraic material.

Math 18 is designed for students who are required to complete Math 54 only or Math 21 only. If you are unsure which transfer level math course you need, it is recommended you take Math 20.

MATH 20, Intermediate Algebra 5 units

- Prerequisite: Math 31 or Math 49.

Maximum allowable units for Math 18 and Math 20 is 5 units.

Topics include rational, irrational and complex numbers; fundamental operations on algebraic expressions and functions; introduction to polynomial, rational, exponential and logarithmic functions, equations and graphs; circles and parabolas; matrix row reduction. Emphasis is on advanced algebraic factoring and simplification.

Math 20 serves as a prerequisite to all college level math classes. Students whose terminal math course is Math 54 or Math 21 may want to consider taking Math 18 instead.

MATH 21, Finite Mathematics **3 units**

Transfer: UC, CSU

IGETC AREA 2 (Mathematical Concepts)

- Prerequisite: Math 18 or 20 or 49 or Math 50.

This is a terminal mathematics course for liberal arts and social science majors. Topics include sets and counting, probability, linear systems, linear programming, statistics, and mathematics of finance, with emphasis on applications.

MATH 26, Functions and Modeling for Business and Social Science **3 units**

Transfer: UC*, CSU

IGETC AREA 2 (Mathematical Concepts)

- Prerequisite: Math 20.

**Maximum UC credit for Math 2 and 26 is one course.*

This course is a preparatory course for students anticipating enrollment in Math 28 (Calculus 1 for Business and Social Science). Topics include algebraic, exponential and logarithmic functions and their graphical representations, and using these functions to model applications in business and social science.

Math 26 is not recommended as a terminal course to satisfy transfer requirements.

MATH 28, Calculus 1 for Business and Social Science **5 units**

Transfer: UC*, CSU

C-ID: MATH 140.

IGETC AREA 2 (Mathematical Concepts)

- Prerequisite: Math 26.

**Maximum UC credit for Math 7 and 28 is one course.*

This course is intended for students majoring in business or social sciences. It is a survey of differential and integral calculus with business and social science applications. Topics include limits, differential calculus of one variable, including exponential and logarithmic functions, introduction to integral calculus, and mathematics of finance.

MATH 29, Calculus 2 for Business and Social Science **3 units**

Transfer: UC*, CSU

IGETC AREA 2 (Mathematical Concepts)

- Prerequisite: Math 28.

**Maximum UC credit for Math 8 and 29 is one course.*

Topics include techniques and applications of integration, improper integrals, functions of several variables, partial derivatives, method of least squares, maxima and minima of functions of several variables with and without constraints, methods of Lagrange Multipliers, double integrals and their application, elementary differential equations with applications, probability and calculus.

MATH 31, Elementary Algebra **5 units**

- Prerequisite: Math 84 or Math 85.

Topics include: Arithmetic operations with real numbers, polynomials, rational expressions, and radicals; factoring polynomials; linear equations and inequalities in one and two variables; systems of linear equations and inequalities in two variables; application problems; equations with rational expressions; equations with radicals; introduction to quadratic equations in one variable.

This course is equivalent to one year high school algebra. Course credit may not be applied toward satisfaction of Associate Degree requirements. Students enrolled in this course are required to spend 16 documented supplemental learning hours outside of class during the semester.

MATH 32, Plane Geometry **3 units**

- Prerequisite: Math 31 or Math 49.

This is an introductory course in geometry whose goal is to increase student's mathematical maturity and reasoning skills. Topics include elementary logical reasoning, properties of geometric figures, congruence, similarity, and right triangle relationships using trigonometric properties. Formal proof is introduced and used within the course.

MATH 41, Mathematics for Elementary School Teachers **3 units**

Transfer: UC, CSU

- Prerequisite: Math 20.

This course is designed for preservice elementary school teachers. The course will examine five content areas: Numeration (historical development of numeration system); Set Theory (descriptions of sets, operations of sets, Venn Diagrams); Number Theory (divisibility, primes and composites, greatest common divisor, least common multiple); Properties of Numbers (whole numbers, integers, rational numbers and models for teaching binary operations); and Problem Solving (strategies, models to solve problems, inductive and deductive reasoning).

Math 41 fulfills the mathematics requirement for the Liberal Arts major at CSU campuses but does not meet the mathematics admission requirement at any of the CSU campuses. Please contact a counselor if you have questions.

MATH 49, Beginning and Intermediate Algebra for Statistics and Finite Mathematics **6 units**

- Prerequisite: Math 84 or Math 85.

Maximum units for this course that may be counted toward the Associate degree requirement is 3 units.

This is an accelerated course covering the topics of Beginning and Intermediate algebra. Specific topics include arithmetic operations with real numbers, change of units and percents, polynomials, rational expressions, and radicals; linear equations and inequalities; systems of linear equations and inequalities; application problems; equations with rational expressions; equations with radicals; linear, quadratic, exponential and logarithmic functions and equations; factoring; drawing and interpreting graphs; sequences and series. The emphasis is on setting up and solving applications of the algebraic material.

MATH 50, Pre-Statistics **5 units**

- Prerequisite: Math 84 or Math 85.

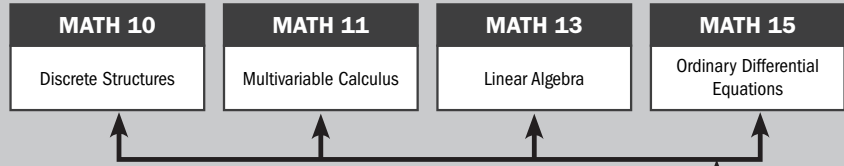
Maximum units for this course that may be counted toward the Associate degree requirement is 3 units.

MATHEMATICS COURSE SEQUENCE

The starting point in this Math Course Sequence Chart depends on your Math Assessment results as well as your future goals. For these reasons, it is wise to prepare before taking the Math Assessment and to review the information about Math courses and Math sequences before registering for your first math class. Information about Math Assessment and practice test materials are available at the SMC Assessment website at www.smc.edu/assessment. Information about math courses and sequences are available at the SMC Mathematics Department website at www.smc.edu/math.

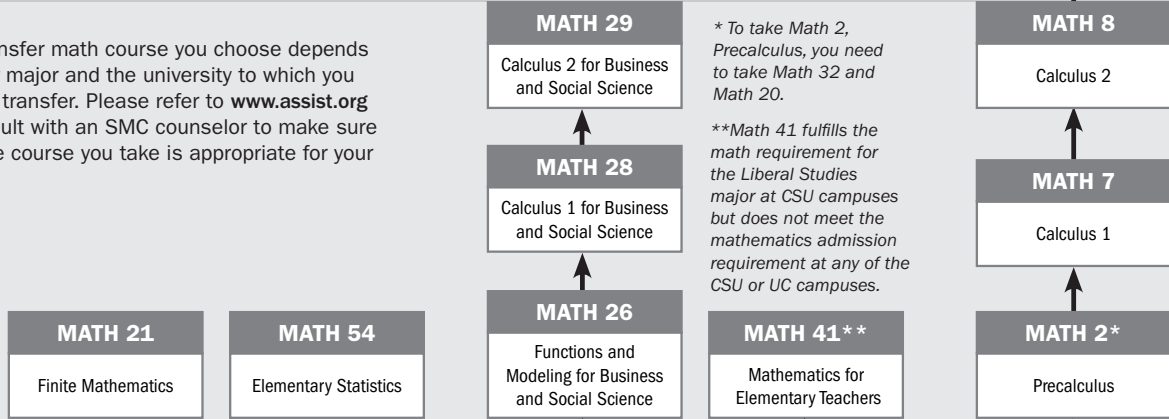
Higher Level

Although these courses may be taken in any order after completion of Math 8, students are advised to complete Math 11 and Math 15 before enrolling in Math 13.



College Level

The transfer math course you choose depends on your major and the university to which you plan to transfer. Please refer to www.assist.org or consult with an SMC counselor to make sure that the course you take is appropriate for your goals.



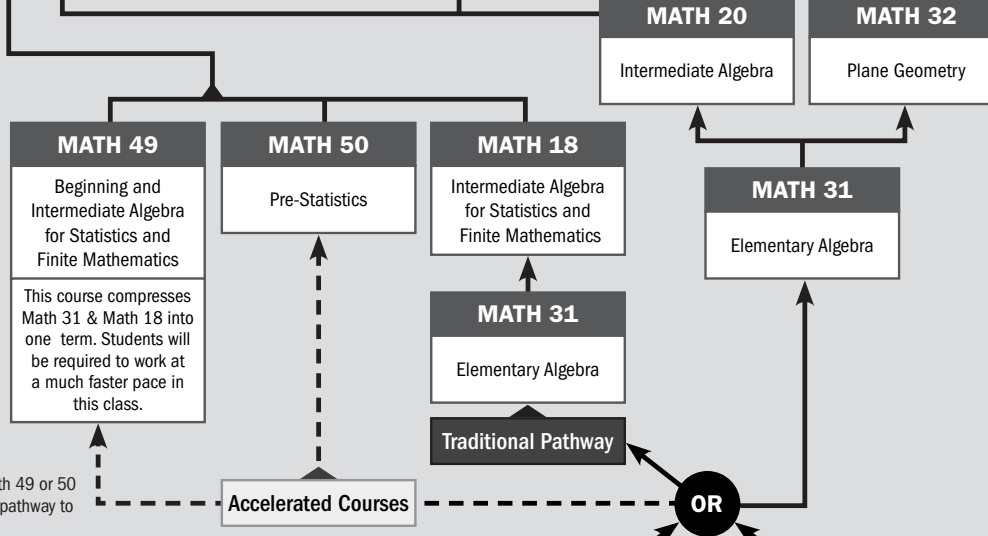
* To take Math 2, Precalculus, you need to take Math 32 and Math 20.
 **Math 41 fulfills the math requirement for the Liberal Studies major at CSU campuses but does not meet the mathematics admission requirement at any of the CSU or UC campuses.

Pre-College Level

Math 81, 84, 85, 31, 32, 18, 20, 49, and 50 will not transfer to the UC and CSU systems, but these courses are prerequisites for college level math courses and some courses in other departments.

For an Associate degree, SMC requires the successful (with a grade of C or better) completion of Math 18, 20, 49, 50, or 32 (if taken Fall 2006 or later) or a passing score on the SMC Math Proficiency Assessment plus successful completion of one additional designated non-math course.

▶ Taking Math 85 and Math 49 or 50 is a 2-term accelerated pathway to Statistics & Finite Math



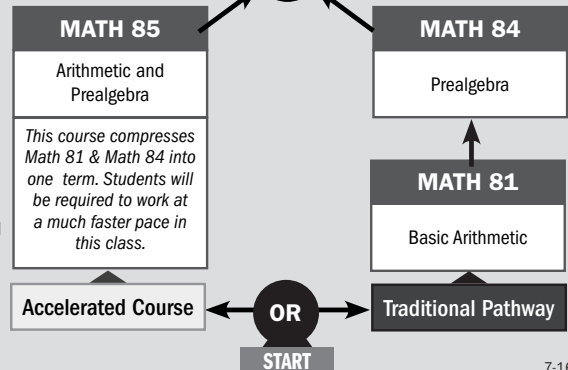
Which Pre-Collegiate Pathway? 49, 50, 18, 20?

* Math 18, Math 49, and Math 50 cannot be used as prerequisite courses in place of a listed Math 20 Prerequisite. Students who plan to take a non-math course which lists Math 20 as a prerequisite should take Math 20 unless otherwise advised by the department offering the non-math course.

* Students who know they will need only Math 21 or Math 54 for transfer, usually Liberal Arts and Social Science majors, may take either Math 49, OR Math 31 & 18, OR Math 31 & 20 OR Math 50.

* Students who need to complete precalculus or calculus series for their intended major (Ex. Science majors, Engineering majors, Computer Science majors, STEM majors, most business majors, etc.), or plan to take Math 41, or are undecided about their major should not take Math 18, 49, or 50. They should instead take Math 20.

* For specific questions about the math required for your specific major, please consult the SMC Math department website, www.smc.edu/math, or see an SMC Counselor.



Course Descriptions

This course introduces algebra topics and the basic elements of exploratory data analysis needed for Elementary Statistics (Math 54) and Finite Mathematics (Math 21). Course topics include formulas and algebraic expressions, linear equations and inequalities in one variable, analyzing and producing data, sample statistics and graphs, functions, systems of linear equations, and probability.

Math 50 is designed for students who are only required to complete Elementary Statistics (Math 54) or Finite Mathematics (Math 21). Students who plan to take a non-math course which lists math 20 or math 31 as a pre-requisite should take those courses unless otherwise advised by the department offering the non-math course. This course is not intended as a preparation for precalculus or calculus. Students planning to take precalculus (Math 2) must complete Intermediate Algebra (Math 20).

MATH 54, Elementary Statistics **4 units**

Transfer: UC, CSU

IGETC AREA 2 (Mathematical Concepts)

- *Prerequisite: Math 20 or Math 18 or Math 49 or Math 50.*

Formerly Math 52.

This course covers concepts and procedures of descriptive statistics, elementary probability theory and inferential statistics. Course content includes: summarizing data; computation and interpretation of descriptive statistics; classical probability theory; probability distributions; binomial, normal, T, Chi-square and F distributions; making inferences; decisions and predictions. This course develops, analyzes, and interprets confidence intervals for population parameters, hypothesis testing for both one and two populations, correlation and regression, ANOVA, and test for independence. This course develops statistical thinking through the study of applications in variety of disciplines. The use of a statistical/graphing calculator and/or statistical analysis software is integrated into the course.

MATH 81, Basic Arithmetic **3 units**

- *Prerequisite: None.*

The aim of this course is to develop number and operation sense with regard to whole numbers, fractions, decimals and percents; as well as measurement and problem solving skills. Course content also includes ratios, proportions, and practical applications of the arithmetic material.

**Course credit may not be applied toward satisfaction of Associate in Arts Degree requirements. Students enrolled in this course are required to spend 16 documented supplemental learning hours outside of class during the session.*

MATH 84, Pre-Algebra **3 units**

- *Prerequisite: Math 81.*

This course prepares the student for Elementary Algebra. It assumes a thorough knowledge of arithmetic. Course content includes integers, signed fractions, signed decimals, grouping symbols, the order of operations, exponents, and algebraic expressions and formulas. The emphasis is on concepts essential for success in algebra.

**Course credit may not be applied toward satisfaction of Associate Degree requirements. Students enrolled in this course are required to spend 16 documented supplemental learning hours outside of class during the semester.*

MATH 85, Arithmetic and Prealgebra **5 units**

- *Prerequisite: None.*

This course offers an accelerated option for preparation for Elementary Algebra. The material covered is equivalent to that covered separately in Math 81 (Basic Arithmetic) and Math 84 (Prealgebra). This course develops number and operation sense with regard to whole numbers, integers, rational numbers, mixed numbers, and decimals. Grouping symbols, order of operations, estimation and approximation, scientific notation, ratios, percents, proportions, geometric figures, and units of measurement with conversions are included. An introduction to algebraic topics, including simple linear equations, algebraic expressions and formulas, and practical applications of the material also are covered. All topics will be covered without the use of a calculating device.

Students who desire a slower pace should enroll in the Math 81/84 sequence. Course credit may not be applied toward satisfaction of Associate degree requirements.

MATH 88A, Independent Studies in Mathematics **1 unit**

Transfer: CSU

Please see "Independent Studies" section.

Media Studies

The courses listed here were previously listed under Broadcasting and Communication.

Also see courses listed under Communication Studies, Film Studies, and Journalism.

MEDIA 1, Survey of Mass Media Communications **3 units**

Transfer: UC, CSU

C-ID: JOUR 100.

IGETC AREA 4G (Social & Behavioral Sciences)

- *Prerequisite: None.*

Formerly Communication 1.

This course introduces aspects of communications and the impact of mass media on the individual and society. The survey includes newspapers, magazines, radio, television, cable, motion pictures, online media, advertising, public relations, theories of communication, and mass communication modes, processes and effects.

MEDIA 2, Reading Media: Acquiring Media Literacy Skills **3 units**

Transfer: CSU

- *Prerequisite: None.*

Formerly Communication 2.

This course will acquaint students with the inquiry process as applied to electronic and print media texts from sources such as television, radio, film, podcasting, World Wide Web sites and video games. Students will gain the necessary skills to understand their multi-media world and its many layers of meanings and messages. Students will learn to "read" and design visual, as well as print messages through the processes of analysis, deconstruction and decoding. This course is designed to meet Information Competency guidelines.

MEDIA 3, Global Media **3 units**

Transfer: UC, CSU

IGETC AREA 4 (Social and Behavioral Sciences)

- *Prerequisite: None.*

This course satisfies the Santa Monica College Global Citizenship requirement.

This course provides a detailed introduction to global media systems around the world, examining the main economic and cultural dimensions of the international media environment. Key theoretical approaches to international and global communication will be examined. Consideration will be given to the key issues, main actors, and significant developments in global media.

Media 3 is the same course as Global Studies 3. Students may earn credit for one, but not both.

MEDIA 4, Introduction to Game Studies 3 units

Transfer: UC (pending), CSU

- *Prerequisite: None.*

This introductory course examines the medium of video games. The course studies how video games have developed historically, culturally, and technically. Issues of narrative, design, interactivity, and spatiality, which inform both the medium as a whole and individual games in particular, are examined. The function of video games as media texts within popular culture is also assessed.

MEDIA 10, Media, Gender, and Race 3 units

Transfer: UC (meets UC Berkeley American Cultures graduation requirement); CSU

IGETC AREA 4G (Social and Behavior Sciences)

- *Prerequisite: None.*

Formerly Communication 10. This course satisfies the Santa Monica College Global Citizenship requirement.

This course is an historical overview of media in the United States. Using readings from selected texts, clips from movies, radio and television broadcasts, as well as period literature, students analyze and debate representations in the media with a focus on class, gender, and race/ethnicity. Critical thinking is stressed in this course.

MEDIA 11, Introduction to Broadcasting 3 units

Transfer: CSU

- *Prerequisite: None.*

Formerly Broadcasting 1.

Radio, television and related electronic media are introduced in this course with emphasis on history, programming, FCC regulations, operations, economics, and social impact. The course also includes an examination of the newer technologies such as the Internet, cable, direct broadcast satellites, computers, wireless phones, and the communications technology revolution.

MEDIA 12, Broadcasting Programming and Management 3 units

Transfer: CSU

- *Prerequisite: None.*

Formerly Broadcasting 2.

Principles of radio and television programming and management, including program sources, programming theories, station organization, community involvement, market demographics, and fulfillment of FCC requirements are covered in this course.

MEDIA 13, Broadcasting Announcing and Production 3 units

Transfer: CSU

- *Prerequisite: None.*

Formerly Broadcasting 3A.

This course offers training and practical experience in announcing for radio and television and for radio control room operation, combining voice, recordings, editing, and other elements in broadcasting performance and production.

MEDIA 14, Newscasting and Newswriting 3 units

Transfer: CSU

- *Prerequisite: None.*

Formerly Broadcasting 4A.

This course familiarizes the student with the expectations of journalism by the public and teaches the student the basic newswriting guidelines used in broadcast journalism. Through newswriting assignments and exercises, the student will become adept in basic broadcast news writing. *Media Studies 14 is the same course as Journalism 4A. Students may earn credit for one, but not both.*

MEDIA 15, Advanced Newscasting and Newswriting 3 units

Transfer: CSU

- *Prerequisite: Media Studies 14.*

Formerly Broadcasting 4B.

This course builds upon Broadcast 4A/Journalism 4A and offers students an opportunity to further develop their newswriting and newscasting skills. The student will write broadcast copy for a variety of news situations in radio and television. More complex assignments such as covering political campaigns and breaking news stories will be covered. Assignments include writing broadcast copy for SMC's campus radio KWRF. Issues in media ethics and career opportunities will also be discussed.

Media Studies 4B is the same course as Journalism 4B. Students may receive credit for one, but not both.

MEDIA 16, Sportscasting Fall Sports 3 units

Transfer: CSU

- *Prerequisite: None.*

Formerly Broadcasting 5A.

Sports reporting for the broadcast media, including a study of sources of information, statistic and personal background on athletes, as well as techniques of interviewing, color reporting, and play-by-play announcing are covered in this course. Special emphasis will be given to the particular demands and playing environments of fall sports such as football. Field work in coverage of football and other fall sports involves interview shows with coaches, players, and sports figures.

MEDIA 17, Sportscasting Spring Sports 3 units

Transfer: CSU

- *Prerequisite: None.*

Formerly Broadcasting 5B.

Sports reporting for the broadcast media, including a study of sources of information, statistic and personal background on athletes, as well as techniques of interviewing, color reporting, and play-by-play announcing are covered in this course. Special emphasis will be given to the particular demands and playing environments of spring sports

such as basketball and track and field. Field work in coverage of spring sports involves interview shows with coaches, players, and sports figures.

MEDIA 18, Broadcast Advertising **3 units**

Transfer: CSU

- *Prerequisite: None.*

Formerly same course as Business 33.

This course examines advertising as an economic support for commercial broadcast, cable, and related telecommunications media. Audience surveys, rate structures, client, ad rep firms and advertising agency relationships are discussed and explored.

MEDIA 19, Broadcasting Workshop **3 units**

Transfer: CSU

- *Prerequisite: Media Studies 13 or 14.*

Formerly Broadcasting 9.

This course offers further training and practical experience in producing and announcing for radio. Students use digital audio workstations to produce commercials, newscasts, promos and various other audio projects. Lecture topics include an overview of current industry trends, plus instruction on voiceovers, digital editing and mixing, podcasting, Internet streaming and satellite radio. Students will also have the opportunity to host a weekly radio show to help prepare them for professional radio station work. One repeat of the course is allowed.

MEDIA 20, Introduction to Writing and Producing Short Form Media **3 units**

Transfer: CSU

- *Prerequisite: None.*

Formerly Broadcasting 20.

This course offers basic training and practical experience in writing, producing, shooting, music selection, and directing voice-over talent for short-form media projects. These project forms include on-air promos, commercials, public service announcements, webisodes, and special marketing campaigns. The course will take a hands-on approach to enable the development of basic copywriting and production skills, and will provide students with an introductory understanding of television, radio, and alternative media branding and marketing strategies. Storytelling, scriptwriting, and coordinating essential production elements will be emphasized.

MEDIA 21, Short Form Visual Media Production **3 units**

Transfer: CSU

- *Prerequisite: Media Studies 20.*

Formerly Broadcasting 21.

This course offers advanced instruction and focused practical experience in concept development, writing and producing for short form visual media projects. These project forms include on-air promos, commercials, public service announcements (PSA's), webisodes, and special visual marketing campaigns. The major course objective is to enable professional visual writing and production skills through immersion in short-form producing and writing assignments applicable to television, radio, internet, mobile device, and other digital media formats. Story and script development, and short form project conception and production will be emphasized.

MEDIA 46, Television Production **3 units**

Transfer: CSU

- *Prerequisite: None.*

Formerly Broadcasting 46.

This course provides basic training in the use of television equipment and facilities; camera operations; audio and video control; lighting; graphics; editing; portable video, and audio production techniques.

MEDIA 48, Television Field Production Workshop **3 units**

Transfer: CSU

- *Prerequisite: None.*

Formerly Broadcasting 48.

Students will produce a variety of electronic media projects primarily for airing on public cable access and public television station channels. Projects will also be developed for pod-casting, inclusion in video/film festivals, and distribution to other media entities. The emphasis in this course is on the development of creative video camera techniques, writing, producing, and editing skills for the production of digital media. Students will also have the opportunity to produce video segments for the Corsair newspaper online edition.

MEDIA 88A, Independent Studies in Media Studies **1 unit**

Transfer: CSU

Please see "Independent Studies" section.

MEDIA 88B, Independent Studies in Media Studies **2 units**

Transfer: CSU

Please see "Independent Studies" section.

MEDIA 88C, Independent Studies in Media Studies **3 units**

Transfer: CSU

Please see "Independent Studies" section.

MEDIA 90B, Internship in Media Studies **2 units**

Transfer: CSU

- *Prerequisite: Media 11 or 13 or 14. Students must arrange an approved internship prior to enrolling in this class. F-1 students must see the Immigration Coordinator at the International Education Center before enrolling.*

Formerly Broadcasting 90B.

Students become acquainted with the career fields of radio, television or other media by working in a professional broadcasting or media company. Students spend a minimum of 60 hours during the term under the supervision of a media professional. Learning objectives and exit internship evaluation are required. Limited availability. Broadcast 90B requires 120 hours (8 hours/week for 16-week semester).

Students must have taken or be concurrently enrolled in a minimum of one broadcasting class, with a minimum of 7 units (including the internship), maintained throughout the semester at SMC. Limited availability.

Medical Laboratory Technician

MLT 1, Introduction to Clinical Laboratory Profession

1 unit

Transfer: CSU

- *Prerequisite: Admission to MLT program; Chemistry 12, Anatomy 1, Physiology 3, and Microbiology 1.*

This course will introduce the functions and duties of a Medical Laboratory Technician (MLT) as well as other careers in the laboratory. This course will compare and contrast these duties to the Clinical Laboratory Scientist. Covered topics will include clinical laboratory safety issues, regulatory agencies, infection control policies, and professional responsibilities relative to other departments of health care. This course will also cover medical terminology, patient's bill of rights, professional standards of the medical laboratory technician, and study computer skills relative to data management systems within the clinical laboratory.

MLT 2, Hematology, Coagulation, Urine and Body Fluid Analysis

6 units

Transfer: CSU

- *Prerequisite: Medical Laboratory Technician 1.*

This course will emphasize the theory and practice of manual and automated procedures in hematology and coagulation and the relationship of these procedures to the diagnosis of disease. This course will also examine the physical, chemical, and microscopic properties of urine and other body fluids and correlate selected chemical and microscopic constituents of urine and other body fluids with various disease states. Case studies and online modules will be used to integrate laboratory tests with clinical scenarios to emphasize their clinical significance.

MLT 3, Blood Banking and Immunology

6 units

Transfer: CSU

- *Prerequisite: Medical Lab Technician 1.*

This course introduces the theory of antigen-antibody reactions as it relates to blood grouping and typing, antibody detection and compatibility testing. Also discussed are blood donor screening and component preparations, immunologically related diseases, transplantation, and principles of antigen-antibody based tests. This course will utilize computer technology to enhance student learning.

MLT 4, Clinical Chemistry

6 units

Transfer: CSU

- *Prerequisite: Medical Lab Technician 1.*

This course will discuss basic interpretations of biochemistry and the concentration of enzymes, carbohydrates, lipids, proteins, electrolytes, and blood gases. The need for drug testing and evaluation will also be a part of this curriculum. The student will perform routine clinical tests on biological fluids, maintain quality assurance records, and perform preventative maintenance on instrumentation. This course will utilize computer technology to enhance student learning.

MLT 5, Clinical Microbiology

6 units

Transfer: CSU

- *Prerequisite: Medical Laboratory Technician 1.*

Course will emphasize basic skills, principles, and laboratory techniques for staining, culturing, isolation, biochemical techniques and identification of human pathogenic microorganisms. Included in the course are techniques used to determine the susceptibility of pathogenic microorganisms to different antibiotics and other drugs. This course will also cover basic principles in identification of parasites, viruses, and fungal microorganisms.

MLT 10, Clinical Practicum 1

2 units

Transfer: CSU

- *Prerequisite: Medical Lab Technician 1, 2, 3, 4, 5 and CA Certified Phlebotomy Technical License (CPT 1 or 2).*

Emphasis is on providing students with entry-level clinical laboratory practice and experience in the different clinical laboratory departments. Daily activities will include supervised pre-analytical, analytical, and post-analytical evaluation of patient specimens in an affiliated clinical laboratory. The laboratory departments include hematology, coagulation, urinalysis, body fluids, microbiology, chemistry, immunology, and immunohematology. An assessment at the end of the clinical training will evaluate the students on their entry-level clinical laboratory skills.

Microbiology

Please see listing under "Biological Sciences."

Modern Languages

SMC offers courses in American Sign Language, Arabic, Chinese (Mandarin), French, German, Hebrew, Italian, Japanese, Korean, Persian (Farsi), Portuguese, Russian, Spanish, and Turkish. Classes are listed under name of specific language.

Music

Please also see course listing in "Music History" below.

Some performance courses require auditions during the first week of class. A maximum of 12 units is allowed in performance courses.

MUSIC 1, Fundamentals of Music

3 units

Transfer: UC*, CSU

IGETC AREA 3A (Arts)

- *Prerequisite: None.*

*No UC transfer credit for Music 1 if taken after Music 2.

See also Music 66.

This course provides the study of the rudiments of music notation, including scales, intervals, triads and seventh chords. Also included are rhythmic drills, sight singing and exercises using computer-assisted-instruction. This course (or the equivalent) is a prerequisite for all other music theory courses.

Music 1 is equivalent to the theory portion of Music 66. Credit may be earned for Music 1 or 66 but not both.

MUSIC 2, Musicianship**2 units**

Transfer: UC*, CSU

- *Prerequisite: Music 1.*
- *Corequisite: Music 6.*

*No UC transfer credit for Music 1 if taken after Music 2.

This course covers sight singing with the “movable do” system, keyboard harmony, and in-class dictation of melodic lines, rhythmic patterns, intervals, harmonic progressions. Also included are ear training exercises using computer-assisted-instruction. Correlated with Music 6 (Diatonic Harmony).

MUSIC 3, Musicianship**2 units**

Transfer: UC, CSU

- *Prerequisite: Music 2.*
- *Corequisite: Music 7.*

This course provides a guided study of basic musical phenomena and traditional notation through sight singing, dictation, ear training, and keyboard harmony with the primary aim of developing musical perception, comprehension and fluency. Topics covered include sight singing with the “movable do” system, keyboard harmony, and in-class dictation of melodic lines, rhythmic patterns, intervals, harmonic progressions. Also included are ear training exercises using computer-assisted-instruction. Correlated with Music 7 (Chromatic Harmony).

MUSIC 4, Musicianship**2 units**

Transfer: UC, CSU

- *Prerequisite: Music 3.*
- *Corequisite: Music 8.*

This course provides a guided study of basic musical phenomena and traditional notation through sight singing, dictation, ear training, and keyboard harmony with the primary aim of developing musical perception, comprehension and fluency. Topics covered include sight singing with the “movable do” system, keyboard harmony, and in-class dictation of melodic lines, rhythmic patterns, intervals, harmonic progressions, and take-home transcription projects. Also included are ear training exercises using computer-assisted-instruction. Correlated with Music 8 (Modulation and Analysis).

MUSIC 6, Diatonic Harmony**3 units**

Transfer: UC, CSU

- *Corequisite: Music 2.*
- *Skills Advisory: Music 1.*

This course provides a study of the diatonic materials of the common practice: triads, seventh chords, root progressions, and the strict discipline of part writing based on the Bach chorale. Also included are cadences, nonchord tones, phrase structure, and modulation to closely related keys. Correlated with Music 2 (Musicianship).

MUSIC 7, Chromatic Harmony**3 units**

Transfer: UC, CSU

- *Prerequisite: Music 6.*
- *Corequisite: Music 3.*

This course continues the study of conventional harmony by introducing secondary dominants, diminished seventh chords, dominant ninth chords, and altered chords such as the Neapolitan, augmented sixth chords, and contemporary chord extensions. The discipline of part writing is continued, and the notions of both permanent and tran-

sient modulation are explored. Correlated with Music 3 (Musicianship).

MUSIC 8, Modulation and Analysis**3 units**

Transfer: UC, CSU

- *Prerequisite: Music 7.*
- *Corequisite: Music 4.*

This course is designed to integrate the elements of harmonic structure presented in Music 6 and 7 with broader concepts of style so that entire compositions of the common practice period can be analyzed and understood. Emphasis is placed on chord analysis, phrase structure, tonal relationships, and macro-form. As a supplement, an introduction to the melodic and harmonic devices of the 20th Century is given. Correlated with Music 4 (Musicianship).

MUSIC 10, Popular Harmony and Arranging**3 units**

Transfer: CSU

- *Prerequisite: Music 2 and Music 6.*

This course is the study of the harmonic idioms used in popular music and in jazz. It covers the language of chord symbols, analysis of conventional chord progressions, the writing of lead sheets, and an introduction to commercial and jazz arranging techniques.

MUSIC 12, Introduction to Music Technology**3 units**

Transfer: UC, CSU

- *Prerequisite: Music 2 and 6.*

This course is designed to train students in the understanding and application of music technology with emphasis on computer music notation, MIDI sequencing, and digital sound production. It will provide an overview of the various computer and audio components in the Music Department's Music Media Lab and will cover music software programs for music notation and for audio editing and production.

MUSIC 13, Tonal Counterpoint**3 units**

Transfer: UC, CSU

- *Prerequisite: Music 3 and 7.*

This course is a detailed study of the contrapuntal style of the Late Baroque period. Original student work in the form of exercises and complete compositions using 18th Century idioms is a part of the study. Analysis and performance of representative works of J.S. Bach and his contemporaries are included.

MUSIC 19, Orchestration**3 units**

Transfer: UC, CSU

- *Prerequisite: Music 3 and 7.*

This course is a study of the techniques of scoring music for the standard symphony orchestra. The ranges, colors, transpositions, and technical capabilities of the string, woodwind, brass, and percussion instruments are all studied. Methods of combining the instruments into performing groups of various sizes are also covered.

MUSIC 24, Conducting**2 units**

Transfer: UC, CSU

- *Prerequisite: Music 2 and 6.*

Fundamentals in conducting techniques are studied with reference to directing instrumental and vocal organizations.

MUSIC 40, Opera Workshop **2 units**

Transfer: UC, CSU

- *Prerequisite: Pre-enrollment audition required.*
- *Skills Advisory: Music 50B.*

The philosophy of this course is that everyone who wants to sing opera should have the opportunity to do so. In this workshop, those who are enrolled will be assigned parts commensurate with their experience, vocal technique and enthusiasm for participation.

MUSIC 40S, Opera Workshop **0.5 unit**

Transfer: UC, CSU

- *Prerequisite: Audition required.*
- *Skills Advisory: Music 50B.*

This course is designed for intermediate and advanced singers interested in developing their vocal abilities and becoming acquainted with and learning selected works from the standard operatic repertoire. The course will offer solo and ensemble experience through singing, acting, and movement leading to the public performance of operatic scenes. This is the summer version of Music 40.

MUSIC 42, Advanced Opera Production **5 units**

Transfer: UC, CSU

- *Prerequisite: Pre-enrollment audition.*
- *Skills Advisory: Music 50B.*

This course consists of rehearsals and performance of a full-length operatic production with orchestra. Emphasis is placed on the cooperative blending of all theatre and musical activities into a finished public performance.

MUSIC 45, Musical Theatre Workshop **3 units**

Transfer: UC, CSU

- *Prerequisite: Audition required.*

This course introduces the student to theories, techniques and practices of musical theatre performance. The class concentrates on preparing and performing scenes from musical theatre, culminating in a public performance. Attendance at theatre productions for which students must purchase tickets is required.

Music 45 is the same course as Theatre Arts 45. Students may earn credit for one, but not both.

MUSIC 46, Production for the Younger Audience **3 units**

Transfer: CSU

- *Prerequisite: Pre-enrollment audition required.*
Co-enrollment in Theatre Arts 51 is required.

This course includes rehearsals and performances of a theatrical production geared specifically for a younger audience. It explores acting skills through the application and development of progressive performance techniques. Emphasis is placed on cooperative blending of all theatre activities into a finished public performance. Students will rehearse and prepare material and learn about the processes of performing for the live theatre. Attendance of theatre productions for which students must purchase tickets is required. Music 46 is the same course as Theatre Arts 53. Students may receive credit for one but not both. *MUSIC 46 is the same course as TH ART 53. Students may earn credit for one but not both.*

MUSIC 50A, Elementary Voice **2 units**

Transfer: UC, CSU

- *Prerequisite: None.*

Introduction to the fundamental principles of singing: breath control, tone production, diction and the use of appropriate song material.

MUSIC 50B, Intermediate Voice **2 units**

Transfer: UC, CSU

- *Advisory: Music 50A.*

Continued development of vocal technique, musicianship, style and interpretations and song repertoire.

MUSIC 52, Advanced Production – Musical Theatre **5 units**

Transfer: UC, CSU

- *Prerequisite: Audition required.*

This course includes rehearsals and performances of the department's musical theatre production. Dance laboratory is included. *See counselor regarding transfer credit limitations.

MUSIC 53, Jazz Vocal Ensemble **2 units**

Transfer: CSU

- *Prerequisite: Audition required.*

The jazz vocal ensemble is open to all students, subject to audition standards. Selected vocal students function as a musical ensemble. They prepare and perform vocal music in the jazz and popular idiom.

MUSIC 55, Concert Chorale **2 units**

Transfer: UC, CSU

- *Prerequisite: Audition required.*

The concert chorale is open to all students, subject to audition standards. The course includes study and performance of major choral works, both a cappella and accompanied.

MUSIC 57, Advanced Vocal Performance Techniques **2 units**

Transfer: UC, CSU

- *Prerequisite: Pre-enrollment audition required.*
- *Skills Advisory: Music 1 and Music 50B*

This course is designed for the advanced vocal student. It includes an introduction to the International Phonetic Association sound symbols and their usage in performance preparation; appropriate stylistic exercise and vocalise techniques; professional standards of conduct when working with other musicians; and advanced stage performance and auditioning techniques. Repertoire from the Classical, Jazz, Musical Theater, and Pop genres will be included. The course will include individual in-class performances and culminate in a final public performance of selected material. Acceptance into the course shall be by audition.

MUSIC 59, Chamber Choir **2 units**

Transfer: UC, CSU

- *Prerequisite: Audition required.*

The chamber choir studies and performs compositions ranging from the madrigal to contemporary works suitable for smaller ensembles.

MUSIC 60A, Elementary Piano, First Level 2 units

Transfer: UC, CSU

- *Prerequisite: None.*

See also *Music 66*.

Instruction in this course ranges from an introduction to the keyboard to the reading of simple pieces at sight in all major keys. Technical problems, basic music theory, major scales, hand-over-hand arpeggios, simple chording and an introduction to piano literature are stressed.

Music 60A is equivalent to the piano portion of Music 66. Credit may be earned for Music 60A or Music 66 but not both.

MUSIC 60B, Elementary Piano, Second Level 2 units

Transfer: UC, CSU

- *Skills Advisory: Music 60A.*

Instruction in this course ranges from an introduction to major and harmonic minor scale fingerings, minor key signatures, hand-over-hand arpeggios, triad inversions, primary chord harmonization, sight reading and transposition. Pieces are studied with attention to basic concepts of piano technique and interpretation such as phrasing, tone, touches and dynamics.

MUSIC 60C, Elementary Piano, Third Level 2 units

Transfer: UC, CSU

- *Skills Advisory: Music 60B.*

Instruction in this course includes an emphasis on repertoire by master composers with attention to technical approach, interpretation and harmonic analysis. Major and harmonic minor scales, arpeggios and inversions are continued.

MUSIC 60D, Elementary Piano, Fourth Level 2 units

Transfer: UC, CSU

- *Skills Advisory: Music 60C.*

In this course elementary pieces from the standard repertoire of all musical periods are studied with an emphasis on technique, interpretation and harmonic analysis. Keyboard musicianship skills, including major and harmonic minor scales, major and minor arpeggios and chord progressions involving seventh chords and secondary triads, are stressed.

MUSIC 61A, Intermediate Piano, Fifth Level 2 units

Transfer: UC, CSU

- *Skills Advisory: Music 60D.*

A study of intermediate level original piano compositions by master composers. Includes technical studies, analysis of literature performed, in-depth instruction on the interpretation of literature performed, major and minor scales (4 octaves, hands together), chord progressions and harmonization.

MUSIC 61B, Intermediate Piano, Sixth Level 2 units

Transfer: UC, CSU

- *Skills Advisory: Music 61A.*

A study of upper intermediate and early advanced levels of original piano compositions by master composers. Includes technical studies, analysis of literature performed, in-depth instruction on the interpretation of literature performed, major and minor scales (4 octaves, hands together), chord progressions (including modulation).

MUSIC 63, Sight Reading at Keyboard 2 units

Transfer: CSU

- *Skills Advisory: Music 61A or equivalent.*

A course to develop sight reading (Prima Vista) skills. Intended for students who can play pieces that have been practiced repeatedly (or memorized), but who cannot perform music being seen for the first time with any degree of ease of confidence. Student should have the ability to sight read adequately.

MUSIC 64, Piano Ensemble 2 units

Transfer: UC, CSU

- *Skills Advisory: Music 61A or equivalent.*

Student must have the ability to sight read adequately.

This course is designed for intermediate to moderately advanced and advanced pianists interested in performing standard literature by master composers for duo piano (2 players/2 pianos), piano duet (2 players/2piano), and piano quartet (4 players/2 pianos). It will cover music written for this medium from the 18th century to the present. The course will offer public performances in piano ensemble and will require outside preparation.

MUSIC 65A, Keyboard Improvisation I 2 units

Transfer: UC, CSU

- *Skills Advisory: Music 60C.*

Instruction includes 7th, 9th, 11th and 13th chords; their voicing and use in jazz standards. Improvisation techniques for jazz, blues, pop, Latin and gospel style are included.

MUSIC 65B, Keyboard Improvisation II 2 units

Transfer: UC, CSU

- *Skills Advisory: Music 65A.*

Continuation and application of material studied in Music 65A, including all 7th, 9th, 11th and 13th chords, their voicing and use in jazz standards. Improvising techniques for jazz, blues, pop, Latin and gospel styles are included.

MUSIC 66, Fundamentals of Music and Elementary Piano 5 units

Transfer: UC, CSU

- *Prerequisite: None.*

See also *Music 1 and Music 60A*.

This course combines the study of the rudiments of music theory with an introduction to the keyboard. Included is the knowledge of music notation, scales, intervals, triads and seventh chords, rhythmic drills and sight singing. Piano studies include technical exercises, major scales, hand-over-hand arpeggios, simple chording and an introduction to piano literature. The fundamentals of music component of this course (or the equivalent) is a prerequisite for all other music theory courses. The piano component (or the equivalent) is a prerequisite for all other piano courses.

Music 66 is equivalent to taking Music 1 and Music 60A. A student taking Music 66 may not earn credit for Music 1 or Music 60A.

MUSIC 69D, Interpretation of 20th Century Piano Music 2 units

Transfer: UC, CSU

- *Prerequisite: Music 61B or equivalent.*

This course will focus on the performance of standard keyboard repertoire by major composers of the twentieth century. The composers under study will include Debussy,

Ravel, Scriabin, Bartok, Hindemith, Schoenberg, Prokofiev, Kabalevsky, Stravinsky, Copland, Barber, Ginastera, and others. This course is designed for upper-intermediate or early advanced pianists.

MUSIC 70A, String Instrument Techniques 2 units

Transfer: UC, CSU

- *Prerequisite: None.*

This course provides instruction in and reinforcement of the basic skills needed to play the instruments of the orchestral string family (violin, viola, cello and bass). Included are hand position, bow hold, fingerings, intonation, and posture.

MUSIC 70B, Intermediate Strings Techniques 2 units

Transfer: UC, CSU

- *Skills Advisory: Music 70A.*

This course is designed as an intermediate level class to continue development of the skills needed to play bowed string instruments (violin, viola, cello, string bass) and to improve reading skills. This course will offer a first level ensemble experience with emphasis on precision, intonation, balance, and blend. A separate time will be scheduled to help prepare more advanced students for the orchestra.

MUSIC 70C, Intermediate Strings Orchestra 2 units

Transfer: UC, CSU

- *Prerequisite: Music 70B or audition.*

This course provides study of musical style and rehearsal techniques as they relate to the performance of intermediate level string orchestra literature. Ability to play a string instrument is required. During the course attention also will be given to technical development of the students in relation to the music that is being studied.

MUSIC 71, Woodwind Instrument Techniques 2 units

Transfer: UC, CSU

- *Prerequisite: None.*

This course provides instruction in and reinforcement of the basic technical skills need to play instruments of the woodwind family, including embouchure development, standard and auxiliary fingerings, hand position, posture, and diaphragmatic breathing. Instruments of the woodwind family include flute, clarinet, oboe, bassoon, and bass clarinet.

MUSIC 72, Brass Instrument Techniques 2 units

Transfer: UC, CSU

- *Prerequisite: None.*

This course is the study of fundamental techniques, including tone production, fingerings, embouchure and hand position, of standard brass instruments which include trumpet, horn, euphonium, trombone and tuba.

MUSIC 73A, Percussion Ensemble Instrument Techniques 2 units

Transfer: UC, CSU

- *Prerequisite: None.*

Instruction in the basic techniques of concert percussion for beginners, emphasizing snare drum and orchestra bells. Techniques of other instruments, including bass drum, cymbals, triangle, tambourine and timpani will be demonstrated. Students will play individually and in small ensembles.

MUSIC 73B, Intermediate Percussion Ensemble 2 units

Transfer: UC, CSU

- *Skills Advisory: Music 73A.*

Instruction in percussion and snare drum at a more advanced level than given in Music 73A. Additional instruction will be given in other percussion instruments, such as bass drum, cymbals, timpani, and tambourine. Class rehearsal as well as outside preparation will lead to public performance.

MUSIC 74, Orchestra 2 units

Transfer: UC, CSU

- *Prerequisite: Audition required.*

This course provides study of musical style and rehearsal techniques as they relate to the performance of orchestra literature.

MUSIC 74S, Orchestra 0.5 unit

Transfer: CSU

- *Prerequisite: Audition required.*

This course provides study of musical style and rehearsal techniques as they relate to the performance of orchestra literature. Ability to play an orchestral instrument is required.

MUSIC 75, Instrumental Chamber Music Repertoire 2 units

Transfer: UC, CSU

- *Prerequisite: Audition required.*

The study of musical literature, musical style, rehearsal techniques and ensemble playing as they relate to the performance of instrumental chamber music.

MUSIC 76, Intermediate Brass, Woodwinds, and Percussion 2 units

Transfer: UC, CSU

- *Skills Advisory: Music 71, 72, 73A, or 73B.*

This course is designed as an intermediate level class to continue skill development of the individual brass, woodwind, and percussion instruments and improve reading skills. The course will offer a first-level ensemble experience with emphasis directed to precision, intonation, balance and blend.

MUSIC 77, Wind Ensemble 2 units

Transfer: UC, CSU

- *Prerequisite: Audition required.*

This course provides study and performance of musical literature written for wind ensemble with emphasis on style and rehearsal technique as they relate to the performance of band literature. Ability to play a band instrument is required.

MUSIC 77S, Wind Ensemble 0.5 unit

Transfer: CSU

- *Prerequisite: Audition required.*

This course provides study and performance of musical literature written for wind ensemble with emphasis on style and rehearsal technique as they relate to the performance of band literature. Ability to play a band instrument is required.

MUSIC 78, Jazz Ensemble**2 units**

Transfer: UC, CSU

- *Prerequisite: Audition required.*

This course provides rehearsal and performance of literature written for large jazz ensembles with emphasis on methods and materials. Musical materials include published arrangements of standard tunes, special arrangements of standard tunes, and contemporary compositions in the jazz idiom and selected according to the ability of the group. Ability to play an instrument and instructor's approval are required.

MUSIC 79A, Jazz Improvisation**2 units**

Transfer: UC, CSU

- *Prerequisite: Music 1.*

This course focuses on the development of idiomatic jazz improvisation skills through the study of jazz standard tunes, 12 bar blues, jazz theory, ear training, transcriptions and performance.

MUSIC 81, Introduction to Mariachi Performance**2 units**

Transfer: UC, CSU

- *Prerequisite: Audition to demonstrate basic skills on violin, trumpet, guitar, vihuela, guitarron or voice.*

An ensemble for musicians interested in playing and singing mariachi music. Emphasis on learning to play mariachi instruments: (violin, trumpet, guitar, vihuela, guitarron and voice), in the proper style to play well as part of a group and to differentiate mariachi music from other types of Mexican music.

MUSIC 84A, Popular Guitar, First Level**2 units**

Transfer: UC, CSU

The study and performance of popular guitar styles in the range of beginning to intermediate skills of music reading, interpretation and performance.

Students must have a guitar in good playing condition.

MUSIC 84B, Popular Guitar, Second Level**2 units**

Transfer: UC, CSU

- *Skills Advisory: Music 84A.*

The study and performance of popular guitar styles in the range of intermediate difficulty are the goals of this course. The course includes finger styles as found in Folk, Rock, Jazz, and their variations.

Students must have a guitar in good playing condition.

MUSIC 84C, Popular Guitar, Third Level**2 units**

Transfer: UC, CSU

- *Skills Advisory: Music 84B.*

The study and performance of popular guitar styles in the range of intermediate difficulty are the goals of this course. The course includes finger styles as found in Folk, Rock, Jazz, and their variations.

MUSIC 87A, Classical and Flamenco Guitar, First Level**2 units**

Transfer: UC, CSU

This course focuses on music reading in first position from beginning to intermediate level and on right and left hand skills.

Students must have a nylon strung classical guitar in good condition.

MUSIC 87B, Classical and Flamenco Guitar, Second Level**2 units**

Transfer: UC, CSU

- *Skills Advisory: Music 87A.*

This course focuses on music reading above first position at the intermediate level and on right and left hand skills. *Students must have a nylon strung classical guitar in good condition*

MUSIC 88A, Independent Studies in Music**1 unit**

Transfer: CSU

Please see "Independent Studies" section.

MUSIC 88B, Independent Studies in Music**2 units**

Transfer: CSU

Please see "Independent Studies" section.

MUSIC 92, Applied Music Instruction**2 units**

Transfer: UC, CSU

- *Prerequisite: Audition required.*
- *Corequisite: Music 94; and one of the following: Music 40, 42, 45, 52, 53, 55, 59, 64, 73B, 74, 76, 77, 78.*

Auditions will be held. For information call SMC Music Department at 434-4323 or www.smc.edu/music. Students will be assigned section numbers after acceptance into the program.

This course is designed to provide students with individual instruction in the applied areas of instrumental performance, vocal performance, and composition. The two units of credit require a weekly one-hour private lesson and five hours of individual practice per week. Students may repeat for credit for a total of four semesters.

MUSIC 94, Concert Music Class**1 unit**

Transfer: UC, CSU

- *Prerequisite: Audition required.*
- *Corequisite: Music 92; and one of the following: Music 40, 42, 45, 52, 53, 55, 59, 64, 73B, 74, 76, 77, 78.*

This course is designed to provide students in the Applied Music Program performance opportunities in a controlled environment in the areas of instrumental performance, vocal performance, and composition. Students may repeat this class for credit for a total of four semesters.

Music History and Appreciation

Attendance at one Music department concert for which students may have to purchase tickets is required. Online classes are exempted.

MUSIC 30, Music History I**3 units**

Transfer: UC, CSU

IGETC AREA 3A (Arts)

- *Prerequisite: None.*
- *Skills Advisory: Eligibility for English 1.*

This course is a survey of music in Western Civilization from Antiquity through Baroque (approximately 800 BC to 1750 AD). Emphasis is placed upon the principal composers and their works related to the history and philosophy of each stylistic period and interrelationships with the arts and humanities in general. The stylistic periods covered include Greco-Roman, Romanesque, Gothic, Renaissance

and Baroque. The course is designed for the music major, but open to all.

MUSIC 31, Music History II **3 units**

Transfer: UC, CSU

IGETC AREA 3A (Arts)

- *Prerequisite: None.*
- *Skills Advisory: Eligibility for English 1.*

This course is a survey of music in Western Civilization from the Rococo Period (about 1720) to the present. Emphasis is placed upon the principal composers and their works related to the history and philosophy of each stylistic period and interrelationships with the arts and humanities in general. The stylistic periods covered include Rococo, Classical, Romantic, Impressionist, and the diverse directions of the twentieth and twenty-first centuries. The course is designed for the music major but open to all.

MUSIC 32, Appreciation of Music **3 units**

Transfer: UC, CSU

IGETC AREA 3A (Arts)

- *Prerequisite: None.*
- *Skills Advisory: Eligibility for English 1.*

This course is designed for the non-major. It utilizes a broad approach to musical literature, primarily of the sixteenth through twenty-first centuries, and its place in the cultural development of Western Civilization. It provides the tools for a basic understanding of music, an awareness of the primary musical styles, comprehension of the building blocks of music, and the development of an attentive level of listening.

MUSIC 33, Jazz in American Culture **3 units**

Transfer: UC (meets UC Berkeley American Cultures graduation requirement), CSU

IGETC AREA 3A (Arts)

- *Prerequisite: None.*

This course satisfies the Santa Monica College Global Citizenship requirement.

This course concentrates on the origin, development and major musical styles of Jazz music in American culture with significant emphasis placed on the sociopolitical and economic realities that resulted in shaping the musical decisions of the primary innovators. The course will further illustrate how the multicultural intersection of the African-American, European-American and Chicano/Latino communities has been, and continues to be, an essential element for the existence and proliferation of this uniquely American art form. Designed for the non-major.

MUSIC 34, Survey of Piano Music **3 units**

Transfer: UC, CSU

- *Prerequisite: None.*

This course is an examination of the history of the piano and the music written for it. It is an ideal companion for any of the elementary or intermediate piano courses and a good introductory music course for any student with an interest in keyboard music. The course is designed for a student with no previous musical knowledge or experience.

MUSIC 36, History of Rock Music **3 units**

Transfer: UC, CSU

IGETC AREA 3A (Arts)

- *Prerequisite: None.*

This course satisfies the Santa Monica College Global Citizenship requirement.

This course is a musical and cultural survey of popular music widely referred to as Rock & Roll. Musical trends are followed from influential traditions of early blues and jazz at the beginning of the twentieth century and include the emergence of Rock & Roll in the early 1950's, Motown, the "British Invasion", Art Rock, Heavy Metal, Punk, Rap and Hip-Hop, Techno, Grunge, Electronica, Garage Rock and Modern Rock.

MUSIC 37, Music in American Culture **3 units**

Transfer: UC (meets UC Berkeley American Cultures graduation requirement), CSU

IGETC AREA 3A (Arts)

- *Prerequisite: None.*

This course satisfies the Santa Monica College Global Citizenship requirement.

This course is a survey of the music of Native Americans, European Americans, African Americans, Latino Americans and Asian Americans from their historical roots to the present, including blues, gospel, bluegrass, zydeco, salsa, mariachi, norteno, and taiko, and the impact of traditional music on American pop styles. The course examines musical elements, the role of music in society, and how music reflects culture. Students will develop listening and descriptive skills through a variety of media including recordings, video and live demonstration. The course is open to all regardless of previous musical background or experience.

MUSIC 39, History of Opera **3 units**

Transfer: UC, CSU

IGETC AREA 3A (Arts)

- *Prerequisite: None.*

The history of opera, from 'l'Orfeo' by Monteverdi to the present day. An examination of the creative elements of opera which combines the visual, vocal, instrumental, literary and kinesthetic arts into an art form that can measure a civilized culture. The origins of modern opera in Italy, soon followed by French, German, Russian, English, Spanish, other European and American variations, and a worldwide variety of theater forms presented in the language of music.

Noncredit Classes

The following classes are noncredit and free to students. These classes do NOT carry academic credits or grades. For more information, please look for the following course headings in this section.

American Sign Language – Noncredit

Please see listing under Counseling – Adult Education (COUNS 906, American Sign Language Level 1).

Basic Skills – Noncredit

ESL – Noncredit

Nursing – Noncredit

Parenting – Noncredit

Political Science – Noncredit

Nursing

NURSNG 1E, Nursing Neighborhood 0 units

This is a companion course for nursing students to participate in a special online experience called the “nursing neighborhood.” Contact the department for details.

NURSNG 10, Nursing Skills 2 units

Transfer: CSU

- *Prerequisite: Admission to Nursing Program: Anatomy 1, English 1, Microbiology 1, Physiology 3.*

Nursing 10 and 10L must be taken concurrently.

The focus of this introductory nursing fundamental course is to provide the beginning student with a conceptual basis in meeting self-care deficits of older adults in a non-acute environment. Emphasis is placed on assisting the student in learning to use Orem’s Self Care Model and the nursing process as an underlying framework for the development of critical thinking while implementing basic nursing care.

NURSNG 10L, Nursing Skills Laboratory 2 units

Transfer: CSU

- *Prerequisite: Admission to Nursing Program: Anatomy 1, English 1, Microbiology 1, Physiology 3.*

Nursing 10 and 10L must be taken concurrently.

The focus of this clinical course is to provide the opportunity for skill performance and transfer of theory to the clinical setting. The clinical setting will include the Health Sciences Learning Center laboratory and non-acute clinical environments with focus on the older adult.

NURSNG 15, Nursing Fundamentals 2 units

Transfer: CSU

- *Prerequisite: Nursing 10, 10L and 36.*
- *Corequisite: Nursing 15L.*

The focus of this nursing fundamentals course is to provide the continuing student with opportunities to develop competencies in providing nursing assistance to meet patient/client self-care deficits. Students will utilize the nursing process and the Orem’s Self-Care Model as the framework to apply critical thinking skills while implementing nursing care for adults. Medical-Surgical nursing content will be introduced with the focus on fluid volume imbalance, peri-operative care and genito-urinary health deviations. Nursing care will be provided to adults and older adults in acute and non-acute environments. The companion clinical course, Nursing 15L must be taken concurrently.

NURSNG 15L, Nursing Fundamentals Laboratory 2 units

Transfer: CSU

- *Prerequisite: Nursing 10, 10L and 36.*

Concurrent enrollment in Nursing 15 is required.

The focus of this nursing laboratory course is to provide the continuing student with the opportunity for application of theoretical knowledge to the provision of client care in the clinical setting. Students will begin to utilize critical thinking skills as they apply theoretical concepts to clinical practice while implementing nursing care for adults and older adults. Nursing care will be provided to adults and older adults in acute and non-acute environments.

NURSNG 16, Physical Assessment 1 unit

Transfer: CSU

- *Prerequisite: Nursing 10, 10L or equivalent.*

The focus of this course is to enable the student to further develop techniques of physical assessment. It includes a description of fundamental assessment techniques including measurement of vital signs, then details assessment procedures and findings for specific body systems. The examination techniques presented are related primarily to adult patients. Gerontological considerations are included for each body system, with a focus on identifying normal age-related variations.

NURSNG 17, Pharmacological Aspects of Nursing 3 units

Transfer: CSU

- *Prerequisite: Physiology 3.*

This as an introductory course in pharmacology designed to enable the student to recognize the various classes of drugs used in modern medicine. It includes a brief review of anatomy and physiology, how drugs exert their effects, the major indication for drug use, routes of administration, expected and adverse drug effects, precautions and contraindications. Emphasis is on prescription drugs, but over the counter medications are also included.

NURSNG 19, Orientation to Advanced Placement – ADN Program 2 units

Transfer: CSU

- *Prerequisite: Eligible for Advanced Placement.*

The focus of this course is to orient the advanced placement nursing student, the foreign trained nurse, or equivalent, to the philosophy and expectations of the second year of the registered nursing program. Special emphasis is placed on having the student utilize the Orem’s Self-Care Model and the nursing process in planning, implementing, and evaluating the nursing care of patients through case studies.

NURSNG 20, Introduction to Medical-Surgical Nursing 2 units

Transfer: CSU

- *Prerequisite: Nursing 15, 15L.*

This course must be taken concurrently with the laboratory component, Nursing 20L and Nursing 17.

The focus of this course is on the pathophysiology and required nursing assistance for adult patients, including the geriatric patient, with acid-base imbalances, electrolyte imbalances and related endocrine health deviations. Universal self-care requisites are applied to specific client groups requiring nursing care to manage hypertension and peripheral vascular disease. The pathophysiology and required nursing assistance for clients with health deviations affecting the musculoskeletal system, and the eye and ear are also explored. Special emphasis is placed on having the student utilize Orem’s Self-Care Model and the nursing process in planning, implementing and evaluating nursing care of selected patients. Strategies to promote critical thinking will serve as the foundation for making nursing care decisions.

NURSNG 20L, Introduction to Medical-Surgical Nursing Laboratory 2 units

Transfer: CSU

- *Prerequisite: Nursing 15 and 15L.*

This course must be taken concurrently with Nursing 20.

The focus of this nursing laboratory course is to provide the student with the opportunity to apply essential medical-surgical knowledge and skills to the provision of client care in the clinical setting. Students will utilize critical thinking, therapeutic communication, and Orem's self-care model when providing nursing care for the adult and older adult with electrolyte, acid-base, and endocrine imbalances; and musculoskeletal, hypertensive, peripheral vascular and sensory health deviations. Nursing care will be provided in acute and community settings.

NURSNG 25, Psychiatric – Mental Health Nursing 1.5 units

Transfer: CSU

- *Prerequisite: Nursing 20 and 20L (or Nursing 19 and Advanced Placement).*

This course must be taken concurrently with Nursing 25L.

The focus of this specialty course is to introduce the nursing student to the principles of psychiatric-mental health nursing as applied to patients across the life span. Emphasis will be placed on meeting self-care deficits of patients exhibiting symptoms of common psychiatric disorders and patients experiencing emotional responses to stress and illness. This course will cover concepts of mental health, mental illness, stress, and coping, assessment of common psychiatric disorders, biological and psychosocial modes of intervention, and therapeutic nursing responses.

NURSNG 25L, Psychiatric Mental Health Nursing Laboratory 1.5 units

Transfer: CSU

- *Prerequisite: Nursing 20 and 20L (or Nursing 19 and Advanced Placement).*
- *Advisory: Speech 5 and Psychology 19.*

This course must be taken concurrently with Nursing 25.

The focus of this nursing laboratory course is to provide the student with the opportunity to apply theoretical knowledge to patient care in the clinical setting. Students will utilize critical thinking strategies, therapeutic communication skills, and Orem's self-care model when providing nursing care to patients manifesting behaviors of psychiatric disorders. The clinical setting will include acute psychiatric facilities and non-acute community mental health programs.

NURSNG 28, Community-Based Nursing Practice 1 unit

Transfer: CSU

- *Prerequisite: Nursing 20 and 20L or Nursing 19 and Advanced Placement.*

Nursng 28, 25, 25L and 16 must be taken concurrently.

This course provides the nursing student with the opportunity to apply the nursing process to care for individuals and groups where they live, work, go to school, or as they move through the health care system. The emphasis is on health promotion, assessment of universal self-care requisites, and management of chronic conditions. Clinical practice and validation opportunities are provided in home health, outpatient, and ambulatory care settings.

NURSNG 30, Intermediate Medical-Surgical Nursing 2.5 units

Transfer: CSU

- *Prerequisite: Nursing 16, Nursing 17, Nursing 25, Nursing 25L, Nursing 28.*

Nursing 30 and 30L must be taken concurrently.

This course presents increasingly complex concepts involving adults with both medical and surgical health deviations and the required nursing assistance. It utilizes Orem's Self-Care Model in meeting health deviation needs of the patient experiencing gastrointestinal, renal, oncological, hematological, female reproductive, and immune system disorders. The universal self-care requisites are assessed and evaluated. Emphasis is placed on the development of a broad, scientific knowledge base including reasoning, judgment, communication, critical thinking, and professional role development. The nursing process and professional role development are used as an organization and practice framework. Gerontology concepts are presented along with health promotion and health maintenance strategies.

NURSNG 30L, Intermediate Medical-Surgical Nursing Laboratory 2.5 units

Transfer: CSU

- *Prerequisite: Nursing 16, Nursing 17, Nursing 25, Nursing 25L, Nursing 28.*

Nursing 30 and 30L must be taken concurrently.

The focus of this nursing laboratory course is to provide the continuing student with the opportunity to apply increasingly complex medical-surgical concepts of care for adults with health deviations. Students will assess, plan, provide, and evaluate the provision of nursing assistance in the clinical laboratory. The Orem's Self-Care Model will be used as a framework to safely meet nursing needs of the patient with gastrointestinal, renal, oncological, hematological, female reproductive, and immune system disorders. Students will assess the adult and older adult's self-care requisites, determine the therapeutic self-care demand, and apply the nursing process. Professional role development is integrated throughout, along with application of critical thinking, communication theory, clinical judgment, and sound reasoning. Laboratory experiences will be held in the acute care or community setting.

NURSNG 35, Advanced Medical-Surgical Nursing 2.5 units

Transfer: CSU

- *Prerequisite: Nursing 30 and 30L or Nursing 19 and Advanced Placement.*

Nursing 35 and 35L must be taken concurrently.

The focus in this course is to enable the student to develop competencies in understanding complex health problems and managing health deviations related to the neurosensory, cardiovascular, and respiratory disorders and the burn injury patient. Students will utilize Orem's Self-Care Model and the nursing process in assessing self-care requisites of selected patients. Students will determine the therapeutic self-care demand and design a plan of care that promotes the optimal level of function of adults and older adults with complex health problems. Principles of delegation are explored.

NURSNG 35L, Advanced Medical-Surgical Nursing Laboratory **2.5 units**

Transfer: CSU

- *Prerequisite: Nursing 30 and 30L or Nursing 19 and Advanced Placement.*

Nursing 35 and 35L must be taken concurrently.

The focus of this nursing laboratory course is to allow the student an opportunity to demonstrate competencies in skills and managing health deviations related to the neurosensory, cardiovascular, respiratory disorders and the burn injury patient. Students will exhibit competencies in utilizing Orem's Self-Care Model and the nursing process to calculate the therapeutic self-care demand of selected patients. Students will utilize the clinical pathways in providing care to patients with complex health problems. Principles of delegation are implemented.

NURSNG 36, Calculations in Drugs and Solutions **1 unit**

- *Prerequisite: None.*

This course reviews the mathematics used in medical calculation. It investigates the systems of measurements and methods of computing safe and accurate medical dosages.

NURSNG 40, Nursing of Children **1.5 units**

Transfer: CSU

- *Prerequisite: Nursing 35, Nursing 35L, and Psychology 19 (or Nursing 19 and Advanced Placement).*

Nursing 40 and 40L must be taken concurrently.

The focus of this course is to assist the nursing student in acquiring the essential knowledge and principles of pediatric nursing. The student will plan and provide nursing care to the hospitalized child with common health deviations. Preventive and safety measures appropriate to the developmental level of children are incorporated due to children being dependent-care agents. Students will utilize critical thinking/problem solving to modify therapeutic nursing interventions and communication techniques based on the developmental level of the child. Emphasis is also on health promotion, preventive measures, developmental principles, and the impact of illness on the family.

NURSNG 40L, Nursing of Children Lab **1.5 units**

Transfer: CSU

- *Prerequisite: Nursing 35, Nursing 35L, and Psychology 19 (or Nursing 19 and Advanced Placement).*

Nursing 40 and 40L must be taken concurrently.

The pediatric clinical experience provides opportunities to assist the nursing student in planning and managing nursing assistance for hospitalized pediatric patients with common health deviations. The learner will have opportunities to demonstrate competency in the application of critical thinking to aid in decision-making, organizational skills, nursing theory, and concepts. Implementation strategies reflect increasing breadth and depth of theory and utilization of therapeutic communication techniques appropriate for the pediatric population.

NURSNG 45, Women's Health Care **1.5 units**

Transfer: CSU

- *Prerequisite: Nursing 35, Nursing 35L, and Psychology 19 (or Nursing 19 and Advanced Placement).*

Nursing 45 and 45L must be taken concurrently.

This course utilizes Orem's Self Care Model as a framework to assess the special needs of women and manage their health care throughout the life span. Emphasis is placed on the enhancement of critical thinking skills to promote health of the childbearing family during the antepartum, intrapartum, and postpartum periods. Focus is on the normal process of childbearing and newborn care and includes discussion of high-risk maternal and perinatal conditions. Therapeutic communication techniques are integrated that recognize the unique relationship of the perinatal nurse and the childbearing family. Course content builds upon previously acquired medical/surgical concepts, professional role, and leadership behaviors.

NURSNG 45L, Women's Health Care Lab **1.5 units**

Transfer: CSU

- *Prerequisite: Nursing 35, Nursing 35L, and Psychology 19 (or Nursing 19 and Advanced Placement).*

Nursing 45 and 45L must be taken concurrently.

The focus of this nursing laboratory course is to provide the student with the opportunity to apply the self care model when managing the care of women across the life span. Students will assess, plan, provide, and evaluate care of women during the childbearing experience in the clinical setting. Opportunities will be provided to allow the student to enhance critical thinking skills while promoting women's health behaviors. Students will utilize therapeutic communication strategies in all interactions with clients while providing care. Laboratory experiences will occur in the acute care setting and will build upon previously acquired medical/surgical concepts, professional, and leadership behaviors.

NURSNG 50, Professional Role Transition **1 unit**

Transfer: CSU

- *Prerequisite: Nursing 40 and 40L; Nursing 45 and 45L.*

Nursing 50 and 50L must be taken concurrently.
The purpose of this course is to facilitate the transition from student nurse to the role of entry-level staff nurse. Emphasis is on the theoretical concepts of leadership and management. The student will integrate knowledge and skills pertinent to the role of manager of care for a group of patients and members of the health care team. The role of manager incorporates delegation, priority setting, legal-ethical issues, and health care delivery systems. Issues and trends relevant to professional nursing will be explored.

NURSNG 50L, Professional Role Transition Lab **2 units**

Transfer: CSU

- *Prerequisite: Nursing 40 and 40L; Nursing 45 and 45L.*

Nursing 50 and 50L must be taken concurrently.
The purpose of this course is to facilitate the transition from student nurse to the role of entry level staff nurse. Emphasis is on the implementation of theoretical concepts of leadership and management. This course will allow the student to apply knowledge and skills pertinent to the role of manager of care for a group of patients and members of the health care team. The role of manager incorporates delegation, priority setting, legal ethical considerations, and health care delivery.

NURSNG 60, Multicultural Health and Healing Practices **3 units**

Transfer: CSU

- *Prerequisite: None.*

This course satisfies the Santa Monica College Global Citizenship requirement.

This course introduces the student to the health and healing beliefs and practices among people from culturally diverse backgrounds. Cultural concepts applicable to health and wellness behavior are examined. The health, healing beliefs and practices of select American cultural groups: Native, Asian, African, Latino, and European, will be studied in the larger context of the American health care delivery system.

NURSNG 60 is the same course as HEALTH 60. Students may earn credit for one but not both.

NURSNG 90A, Nursing Internship **1 unit**

Transfer: CSU

- *Prerequisite: None.*

Students must arrange an approved internship prior to enrolling in this class. F-1 students must see the Immigration Coordinator at the International Education Center before enrolling.

The Internship Program is designed to provide the student with "real life" experience in their field of study and the work place. Students work in an approved internship to develop their understanding of their field of study and their ability to apply their knowledge.

NURSNG 90B, Nursing Internship **2 units**

Transfer: CSU

- *Prerequisite: None.*

Students must arrange an approved internship prior to enrolling in this class. F-1 students must see the Immigration Coordinator at the International Education Center before enrolling.

The Internship Program is designed to provide the student with "real life" experience in their field of study and the work place. Students work in an approved internship to develop their understanding of their field of study and their ability to apply their knowledge.

Nursing - Noncredit

The courses below are intended for students enrolled in the Santa Monica College nursing program.

NURSNG 900, Supervised Tutoring **0 units**

The purpose of this course is to provide additional assistance to nursing students, enrolled in Santa Monica College Nursing Program, in order to facilitate understanding the core concepts taught in the courses in the nursing curriculum. The course will assist the student in being able to determine their comprehension of the content taught in the nursing course (s) and facilitate the transfer of nursing concepts. A stimulating learning environment will be created for active communication and interaction among students and instructor. The learning environment will provide an opportunity for students to verbalize their thinking, understanding of underlying pathophysiology and its relevance to the therapeutic regime and therapeutic nursing interventions. Consistent attendance and participation

are essential to the effectiveness of the supervised tutoring sessions.

Nutrition

Please see listing under "Biological Sciences."

NUTR 1, Introduction to Nutrition Science **3 units**

Transfer: UC, CSU

C-ID: NUTR 110.

- *Prerequisite: None.*
- *Skills Advisory: Eligibility for English 1.*

Human nutrition, integrating anatomy, physiology, biochemistry, and psychology, is studied in relation to wellness and degenerative disease prevention. Scientific information and principles provide the foundation for evaluating current concepts in nutrition for practical application in daily living.

NUTR 3, Introduction to the Dietetics Profession **1 unit**

Transfer: CSU

- *Prerequisite: None.*

This course explores the fields of Dietetics and Nutrition, including trends, future projections, and employment opportunities. The course offers an overview of the dietetics profession including career options, professional development, continuing education, code of ethics, state and national standards of scope and practice, professional values, creativity, Academy of Nutrition and Science position papers and evidence-based references and resources. Additionally, each student will be guided through the process of creating a resume, the processes of building a portfolio and networking through the district dietetic association and contribute to the nutritional status of the community. Service learning may be used in this course.

NUTR 4, Healthy Lifestyle: Food and Fitness **3 units**

Transfer: CSU

- *Prerequisite: None.*

This course will help individuals to develop knowledge of how to eat healthy for fitness, health and sport. They will learn how to maintain/gain or lose weight in a healthy manner. Nutrition and physical assessments will guide the development of these life style skills. Nutrients needed for achieving a healthy level of fitness and weight will be discussed. The dangers of disordered eating and body dysmorphia will be discussed. Individuals will learn how to evaluate the latest weight loss, fitness and dietary supplement fads.

NUTR 6, Clinical Nutrition in Health Care **3 units**

Transfer: CSU

- *Prerequisite: Biology 3 or Physiology 3.*
- *Skills Advisory: Eligibility for English 1.*

This course is intended to prepare Nursing and other Allied Health students to understand organ systems and the pathophysiology of various disease states and the clinical nutrition implications for restoring health and/or managing disease. The Scientific Method serves as the foundation for evaluating current research in clinical nutrition. Issues of assessment and ethics are discussed as they relate to professional standards of practice and behavior.

NUTR 7, Food and Culture in America 3 units

Transfer: UC, CSU

IGETC AREA 4 (*Social and Behavioral Sciences*)

- *Prerequisite: Nutrition 1.*

This course satisfies the Santa Monica College Global Citizenship requirement.

The evolution of American food culture is examined from a historical, contemporary, economic, political and scientific survey of ethnic groups in America, including Native Americans, European Americans, African Americans, Asian Americans, and Latinos. Immigration, enculturation, acculturation, religion, food availability, food preference, food behavior, food preparation, food beliefs and food-related gender roles are considered. These factors are compared and contrasted across the ethnic groups and regions in America. The impact of "Americanization" on ethnic cuisines and impact of ethnic cuisines on the American economy are explored. Current research on the health- and nutrition-related implications of ethnic groups' food choices/practices is reviewed. Engendering cultural sensitivity and competency is at the core of this course.

NUTR 8, Principles of Food with Lab 3 units

Transfer: CSU

- *Prerequisite: None.*

Application of food science principles with emphasis on ingredient function and interaction, food preparation techniques, sensory evaluation standards, food safety and sanitation, and nutrient composition of food.

NUTR 9, Nutrition Education and Counseling 3 units

Transfer: CSU

- *Prerequisite: Nutrition 1 and 6.*

Nutrition education, communication, interviewing, counseling and motivational principles will be discussed/role-played as they pertain to working with groups and/or individuals to obtain/maintain wellness or manage existing health conditions. Fundamental knowledge of nutritional science, clinical nutrition, fitness, and wellness is necessary. Experiential activities, including presentations and counseling triads, will provide exposure to assessing, planning, and evaluating effective dietary/lifestyle modification plans/strategies for working with diverse populations throughout the life cycle.

NUTR 88A, Independent Studies in Nutrition 1 unit

Transfer: CSU

Please see "Independent Studies" section.

NUTR 88B, Independent Studies in Nutrition 2 units

Transfer: CSU

Please see "Independent Studies" section.

NUTR 90A, Internship in Nutrition 1 unit

- *Prerequisite: None.*

Students must arrange an approved internship prior to enrolling in this class. F-1 students must see the Immigration Coordinator at the International Education Center before enrolling.

The Internship Program is designed to provide the student with real life experience in Nutrition.

NUTR 90B, Internship in Nutrition 2 units

Transfer: CSU

- *Prerequisite: None.*

Students must arrange an approved internship prior to enrolling in this class. F-1 students must see the Immigration Coordinator at the International Education Center before enrolling.

The Internship Program is intended to provide real life experience in Nutrition.

NUTR 90C, Internship in Nutrition 3 units

Transfer: CSU

- *Prerequisite: None.*

Students must arrange an approved internship prior to enrolling in this class. F-1 students must see the Immigration Coordinator at the International Education Center before enrolling.

The Internship Program is intended to provide real life experience in Nutrition.

NUTR 90D, Internship in Nutrition 4 units

Transfer: CSU

- *Prerequisite: None.*

Students must arrange an approved internship prior to enrolling in this class. F-1 students must see the Immigration Coordinator at the International Education Center before enrolling.

The Internship program is intended to provide real world experience in the field of nutrition.

Nutrition

Please see listing under "Biological Sciences."

Occupational Therapy**OT 1, Introduction to Occupational Therapy 2 units**

Transfer: CSU

- *Prerequisite: None.*

This course introduces students to the professional field of occupational therapy (OT). It explores the philosophy and practice of occupational therapy (helping people with disabilities regain independence). It defines occupational therapy within a continuum of health care, delineates OT professional levels, describes practice settings, ethics, education and training requirements, and current practice trends.

Office Information Systems

Please see listing under "Office Technology."

Office Technology

The classes listed under "Office Technology" were formerly listed under "Office Information Systems."

OFTECH 1, Keyboarding I 3 units

Transfer: CSU

- *Prerequisite: None.*

Formerly OIS 1. OFTECH 1 is equivalent to the OFTECH 1A, OFTECH 1B, and OFTECH 1C sequence.

This course is designed to teach keyboard mastery by touch, improve speed and accuracy, and use Microsoft Word to create and revise business documents. Proofreading skill development is also included.

This course uses Microsoft Word 2013 in the PC (windows) environment.

OFTECH 1A, Keyboarding 1A **1 unit**

Transfer: CSU

- *Prerequisite: None.*

Formerly OIS 1A.

This course is intended for students without previous keyboarding instruction. Emphasis is on keyboard mastery, correct keyboarding techniques, and proofreading skills.

OFTECH 1B, Keyboarding 1B **1 unit**

Transfer: CSU

- *Prerequisite: Office Technology 1A.*

Formerly OIS 1B.

Students develop speed and accuracy. Emphasis is on using Microsoft Word to produce letters, memos, tables, and reports.

OFTECH 1C, Keyboarding 1C **1 unit**

Transfer: CSU

- *Prerequisite: Office Technology 1B.*

Formerly OIS 1C.

Course content includes keyboard mastery by touch, correct keyboarding techniques, and proper formatting of letters, memos, reports, tables, and other kinds of personal and business communications.

OFTECH 5, English Skills for the Office **3 units**

Transfer: CSU

- *Prerequisite: None.*

Formerly OIS 5.

This course is designed to review principles of grammar, punctuation, capitalization, and number format; improve vocabulary and spelling; and develop proofreading and editing skills. Word Processing software is used to create and revise business documents.

OFTECH 9, Keyboarding Improvement **1 unit**

Transfer: CSU

- *Prerequisite: None.*

Formerly OIS 9.

This course emphasizes speed and accuracy development, keyboarding technique, and proofreading skills.

OFTECH 10, Skill Building on the Keyboard **3 units**

Transfer: CSU

- *Prerequisite: Office Technology 1, 1C or keyboarding skills of 35 words per minute.*

Computers are used in all work environments. To function efficiently, computer users must be able to input data on a computer keyboard quickly and accurately. This course is designed to develop the computer keyboarding skills that are required to function in the workplace.

OFTECH 20, Medical Vocabulary **3 units**

Transfer: CSU

- *Prerequisite: None.*

This course is designed to develop medical vocabulary skills. Topics include word parts (roots, combining forms, prefixes, and suffixes), body structure, major body systems,

and pharmacology. HIPAA (Health Insurance Portability and Accountability Act) guidelines and Internet research tools are also discussed.

OFTECH 21, Medical Terms and Transcription 1 **3 units**

Transfer: CSU

- *Prerequisite: None.*

This is a beginning course in operating transcribing machines to produce medical documents. Students learn to transcribe, proofread, and edit a variety of medical documents, including chart notes, history and physical reports, consultations, office procedure notes, and X-ray reports. Emphasis is on vocabulary development related to major body systems, formatting, and language skills.

OFTECH 22, Medical Terms and Transcription 2 **3 units**

Transfer: CSU

- *Prerequisite: Office Technology 21.*

This is an advanced course in medical terms and transcription. Organized by medical specialty, reports and records transcribed include history and physical examination, operative, pathology, radiology, discharge summary, consultation, and progress notes. Emphasis is on refining transcription skills and developing a more extensive medical vocabulary. The use of medical references is also discussed.

OFTECH 23, Medical Billing (Medisoft) **3 units**

Transfer: CSU

- *Prerequisite: None.*

The course introduces the basics of medical insurance billing and current payment methodologies in hospital and physician office settings. Students use MediSoft, a popular medical billing accounting software program, to enter patient and case information, schedule appointments, process transactions, and produce reports and patient statements.

OFTECH 24, Medical Coding/Billing 1 **3 units**

Transfer: CSU

- *Prerequisite: None.*

Coding is defined as the translation of diagnoses, procedures, services, and supplies into numeric and/or alphanumeric components for statistical reporting and reimbursement purposes. This course introduces students to ICD--CM, CPT, and HCPCS coding procedures.

This course will cover ICD-10.

OFTECH 25, Medical Coding/Billing 2 **3 units**

Transfer: CSU

- *Prerequisite: Office Technology 24.*

This course is a continuation of Medical Coding/Billing 1. Students develop skills in applying ICD-CM, CPT, HCPCS LEVEL II codes to the following specialty areas: Cardiovascular System, Female Genital System and Maternity Care and Delivery, and General Surgery.

This course covers ICD-10.

OFTECH 26, Medical Coding/Billing 3 **3 units**

Transfer: CSU

- *Prerequisite: Office Technology 25.*

This course develops further skills in medical coding/billing. Students develop skills in applying CPT, HCPCS

LEVEL II and ICD-9-CM codes to the following specialty areas: General Surgery II, Radiology Section, Pathology/Laboratory Section, The Medicine Section and Level II National Codes, HCPCS, and ICD9-CM Coding. Emphasis is on using reference materials for medicine and inpatient hospital-based coding; filing health insurance claim forms; and billing, collection, and payment procedures.

OFTECH 27, Medical Office Procedures 3 units

Transfer: CSU

- *Prerequisite: None.*

This course emphasizes essential administrative and clerical skills required to function in a health care environment. Topics of study include records management; insurance, coding, and finance terminology; billing, reimbursement, and collections; telephone and scheduling procedures; medical ethics, law, and compliance; computer usage in the medical office; written communications; and intercultural communications. Students are introduced to electronic billing and scheduling using Medisoft. Health care careers are also discussed.

OFTECH 28, Electronic Health Records 3 units

Transfer: CSU

- *Prerequisite: Office Technology 20.*

This course discusses terminology, concepts, and procedures related to electronic health records and provides hands-on applications. Topics of study include advantages, core functions, data sources, workflow, coding standards, and privacy and security regulations of an Electronic Health Record (EHR) system. Students use EHR software to input patient data, create patient records, document office visits, order prescriptions and lab tests, and perform other tasks involved in patient care and management.

OFTECH 30, Legal Office Procedures 3 units

Transfer: CSU

- *Prerequisite: OFTECH 1, Keyboarding 1, or OFTECH 1C, Keyboarding 1C, or 35 wpm.*

This course is designed to prepare students to perform common tasks required of law office administrative assistants. Topics of study include the law office environment; clerical and administrative duties; computers and office systems; court structure; litigation procedures; substantive law (litigation; family; wills, trusts, and probate; business organization; real estate; and criminal) and legal research. Emphasis is on terminology, procedures, and document preparation. Job-hunting skills are also discussed.

OFTECH 31, Legal Terms and Transcription 3 units

Transfer: CSU

- *Prerequisite: OFTECH 1, Keyboarding 1, or OFTECH 1C, Keyboarding 1C, or 35 wpm.*

This course is designed to develop skill in using transcription equipment to produce dictated legal documents. Students will use word processing software in the production of documents. Emphasis is on legal terminology; document formatting; proofreading skill development. Areas of study include court systems, civil court documents, litigation, family law, probate, business law, real estate law, and criminal law.

Overseas Programs

Santa Monica College is a member of the College Consortium for International Studies (CCIS) and offers more than 30 overseas study programs around the world. Destinations include Argentina, Austria, Bulgaria, Canada, China, Costa Rica, Czech Republic, Ecuador, England, France, Germany, Greece, Hungary, Ireland, Israel, Italy, Jamaica, Japan, Korea, Mexico, Morocco, New Zealand, Peru, Portugal, Russia, Scotland, Spain, and Switzerland.

The Overseas Program Office is in the International Education Center. You can reach us at (310) 434-4342 or visit www.smc.edu/international. Remember, studying abroad is not a foreign idea!

Parenting - Noncredit

PAR ED 915, Parents of Infants and Toddlers

- *Prerequisite: None.*

This class provides information and support for parents in the areas of attachment, language development and age appropriate expectations through fun sensory activities for infants and toddlers. This course will provide caregiver (parent)/ child interaction opportunities with songs, parachute play, music and movement, encouraging the expansion of a healthy and secure attachment between caregiver (parent) and infant/toddler.

Persian

Additional hours to be arranged in the Modern Language Lab for Elementary Persian.

PERSIN 1, Elementary Persian I 5 units

Transfer: UC, CSU

IGETC Foreign Language (required for UC only)

- *Prerequisite: None.*

This course introduces basic vocabulary and the fundamentals of modern Persian grammar, structure, and pronunciation as well as reading, writing, and speaking. Using natural and audio-lingual approaches, the course prepares students to hold simple conversations in Persian and write short descriptive compositions. Aspects of Persian culture, history, and geography are covered as well. Students are required to review multi-media materials (audio and video). Language lab is required.

PERSIN 2, Elementary Persian II 5 units

Transfer: UC, CSU

IGETC AREA 3B (Arts and Humanities), Foreign Language (required for UC only)

- *Prerequisite: Persian 1*.*

In this course, students are expected to utilize the knowledge of Persian in Persian 1 to expand their vocabulary and familiarize themselves with various forms of the language. In addition to preparing students for further language acquisition, this course also acquaints students with important elements of the literatures and cultures of the Persian-speaking world. Language lab is required.

**The prerequisite for this course is comparable to two years of high school Persian.*

Philosophy

PHILOS 1, Knowledge and Reality 3 units

Transfer: UC, CSU

IGETC AREA 3B (Humanities)

- *Prerequisite: None.*
- *Skills Advisory: Eligibility for English 1.*

This course introduces students to the analysis of various metaphysical and epistemological questions and problems in philosophy, typically including, the nature and limits of knowledge, the existence of God, the Mind-Body Problem, the Freedom vs. Determination debate, and the Absolutism vs. Relativism debate. Related topics in ethics may also be included.

PHILOS 2, Ethics 3 units

Transfer: UC, CSU

IGETC AREA 3B (Humanities)

- *Prerequisite: None.*
- *Skills Advisory: Eligibility for English 1.*

This course provides an introduction to the nature of ethical theory (moral philosophy), an analysis of significant ethical theories, and an exploration of the problems encountered in the continuing quest for a satisfactory ethical theory for contemporary society. Some of the main topics in normative ethics and meta-ethics are covered.

PHILOS 3, Early Philosophers 3 units

Transfer: UC, CSU

IGETC AREA 3B (Humanities)

- *Prerequisite: None.*
- *Skills Advisory: Eligibility for English 1.*

This historical introduction to philosophy traces the development of Western philosophy from the early Greeks through the Middle Ages. The ideas which have influenced the development of Western culture are emphasized.

PHILOS 4, Modern Philosophers 3 units

Transfer: UC, CSU

IGETC AREA 3B (Humanities)

- *Prerequisite: None.*
- *Skills Advisory: Eligibility for English 1.*

This study of the principal philosophical developments since the Renaissance emphasizes the relation of philosophy to the growth of science and social and cultural changes in the modern period.

PHILOS 5, Contemporary Moral Conflicts 3 units

Transfer: UC, CSU

IGETC AREA 3B (Humanities)

- *Prerequisite: None.*
- *Skills Advisory: Eligibility for English 1.*

This course is a philosophic examination of major ethical debates in contemporary American society. Topics may include capital punishment, abortion, euthanasia, racial and sexual equality, affirmative action, sexual morality, pornography, "victimless crimes," bio-medical research, animal rights, and environmental issues. Preparatory to those investigations, time is devoted to studying some of the most important moral theories and various types of moral reasoning.

PHILOS 6, Philosophy of Science 3 units

Transfer: UC, CSU

IGETC AREA 3B (Humanities)

- *Prerequisite: None.*
- *Skills Advisory: Eligibility for English 1.*

This course is a general introduction to the study of the philosophy of science, aimed at fostering an enhanced awareness of the philosophical aspects and implications inherent in the scientific enterprise. The central concepts and methodology of science will be analyzed, and philosophical issues arising within selected branches of science will be examined. Specific episodes taken from the history of science will be regularly employed to illustrate and elucidate these general ideas. A background in philosophy or the physical sciences is helpful but not a requirement for this course.

PHILOS 7, Logic and Critical Thinking 3 units

Transfer: UC, CSU

- *Prerequisite: None.*
- *Skills Advisory: Eligibility for English 1.*

A course in general logic emphasizing its applications to practical situations. The course covers both inductive and deductive techniques.

PHILOS 9, Symbolic Logic 3 units

Transfer: UC, CSU

- *Prerequisite: None.*

This is a beginning course in modern logic covering symbolic notation and translations, and decision procedures for validity and invalidity of arguments in sentential logic and predicate logic.

PHILOS 10, Bio-ethics 3 units

Transfer: UC, CSU

IGETC AREA 3B (Arts and Humanities)

- *Prerequisite: None.*

This is an introduction to moral philosophy as applied to a range of normative issues raised by contemporary biology and medicine. The course introduces the main moral theories and strategies for moral decision-making, and such topics as assisted or alternative reproduction, abortion, cloning and genetic engineering, suicide, euthanasia and physician-assisted suicide, animal and human experimentation, research, practitioner-patient relationships, and allocation of scarce medical resources.

PHILOS 11, Philosophy of Art and Aesthetics 3 units

Transfer: UC, CSU

IGETC AREA 3B (Humanities)

- *Skills Advisory: Eligibility for English 1.*

An introductory-level survey of some of the philosophical questions that arise from contemplation of art and the artistic process. The main theories of art and beauty will be interpreted and evaluated with respect to the relevance each has for contemporary society. Principles and theories concerning art and beauty will be applied to various works of contemporary art in the major fields. The significance of aesthetic experience and its relevance to life will be examined. The role of the artist and the artist's intention in the creative process will also be analyzed.

PHILOS 20, Environmental Ethics 3 units

Transfer: UC, CSU
 IGETC AREA 3B (Humanities)

- Prerequisite: None.
- Skills Advisory: Eligibility for English 1.

This course satisfies the Santa Monica College Global Citizenship requirement.

This course introduces the field of environmental ethics with an emphasis on global environmental problems and global citizenship. The conceptual foundations of environmental attitudes and values are examined through an historical survey of philosophies of nature and human/nature relations. Ethical theories are presented and used to analyze contemporary environmental problems, e.g. mistreatment of animals, pollution, climate change, species extinction, natural resource depletion, environmental racism etc. The ethical assumptions underlying various national and international responses to environmental problems will be analyzed and evaluated.

PHILOS 20 is the same course as ENVRN 20. Students may earn credit for one but not both.

PHILOS 22, Asian Philosophy 3 units

Transfer: UC, CSU
 IGETC AREA 3B (Humanities)

- Prerequisite: None.
- Skills Advisory: Eligibility for English 1.

The cultural settings and basic concepts of the major philosophical and religious systems of India, China, and Japan are studied. Rituals and literature are used to compare and contrast Asian and non-Asian belief systems.

PHILOS 23, Philosophy of Religion 3 units

Transfer: UC, CSU
 IGETC AREA 3B (Humanities)

- Prerequisite: None.
- Skills Advisory: Eligibility for English 1.

This is an introduction to several traditional philosophical problems connected with religious belief. Among the issues to be discussed are the existence and nature of God, the problem of evil, mysticism, the rationality of religious belief, and the relationship between reason and revelation.

PHILOS 24, Philosophy in Literature 3 units

Transfer: UC, CSU
 IGETC AREA 3B (Humanities)

- Prerequisite: None.
- Skills Advisory: Eligibility for English 1.

A philosophical inquiry into themes such as knowledge, truth, justice, freedom, responsibility, love, technology, punishment, self-deception, death, religious faith, and the meaning of life through the examination of selected literary works (novels, short stories, plays, poetry). The course will also focus on certain philosophical issues relevant to the philosophy of literature (ie, how humans emotionally relate to fictional characters, interpretation and artistic intention in literary art, how literature is to be defined, the status of truth in literature).

PHILOS 41, Philosophical Problems Seminar 3 units

Transfer: UC, CSU
 IGETC AREA 3B (Humanities)

- Skills Advisory: Eligibility for English 1.

This course is designed to enable the interested student to study in depth selected philosophical problems in the areas of epistemology, metaphysics, and value theory. Primary source materials are analyzed and discussed in a seminar atmosphere. Oral and written reports are assigned. Philosophy majors are encouraged to take the course; non-majors are also eligible.

PHILOS 48, Nonviolent Resistance 3 units

Transfer: UC, CSU
 IGETC AREA 3B (Humanities) or 4 (Social and Behavioral Sciences)

- Prerequisite: None.
- Advisory: Eligibility for English 1.

Formerly same course as History 48.

An examination of the causes of war and violence in world history and the various organized efforts to maintain peace and end wars. Nonviolent resistance movements will be emphasized.

PHILOS 51, Political Philosophy 3 units

Transfer: UC, CSU
 IGETC AREA Area 3B (Humanities) or Area 4 (Social & Behavioral Sciences)

- Prerequisite: None.
- Skills Advisory: Eligibility for English 1.

This inter-disciplinary course in philosophy and political science examines fundamental ideas about politics in the writings of major Western thinkers from Plato to Marx. Students will situate themselves as citizens and political agents.

Philosophy 51 is the same course as Political Science 51. Students may earn credit for one, but not both.

PHILOS 52, Contemporary Political Thought 3 units

Transfer: UC, CSU
 IGETC AREA Area 3B (Humanities) or Area 4 (Social & Behavioral Sciences)

- Prerequisite: None.
- Skills Advisory: Eligibility for English 1.

This interdisciplinary course in philosophy and political science examines arguments and discourses developed within contemporary political thought. How those discourses critique and/or are rooted in modern ideologies, such as liberalism and socialism will be considered. The theoretical perspectives presented in the course will be used to critically examine important issues in contemporary politics. Students will situate themselves as citizens and political agents in relation to those issues.

Philosophy 52 is the same course as Political Science 52. Students may earn credit for one, but not both.

PHILOS 88A, Independent Studies in Philosophy 1 unit

Transfer: CSU
 Independent study is intended for advanced students interested in doing independent research on special study topics. To be eligible, a student must demonstrate to the department chairperson the competence to do independent study. To apply for Independent Studies, the student is required, in a petition that may be obtained from the department chair, to state objectives to be achieved, activities and procedures to accomplish the study project, and the means by which the supervising instructor may assess accomplishment. Please see discipline listing for details. A

maximum of six units of independent studies is allowed. Granting of UC transfer credit for an Independent Studies course is contingent upon an evaluation of the course outline by a UC campus.

PHILOS 88B, Independent Studies in Philosophy **2 units**

Transfer: CSU

Independent study is intended for advanced students interested in doing independent research on special study topics. To be eligible, a student must demonstrate to the department chairperson the competence to do independent study. To apply for Independent Studies, the student is required, in a petition that may be obtained from the department chair, to state objectives to be achieved, activities and procedures to accomplish the study project, and the means by which the supervising instructor may assess accomplishment. Please see discipline listing for details. A maximum of six units of independent studies is allowed. Granting of UC transfer credit for an Independent Studies course is contingent upon an evaluation of the course outline by a UC campus.

Photography

PHOTO 1, Introduction to Photography **3 units**

Transfer: UC, CSU

- *Prerequisite: None.*

This non-laboratory course is an introduction to photography including camera techniques and creative considerations. Using the HD DSLR camera format and natural light, students shoot digitally for specific assignments emphasizing exposure, depth-of-field, motion, composition, and image quality. A 35mm Digital Single Lens Reflex camera with manual focus lens and exposure capabilities is required.

PHOTO 2, Basic Photography Lab Techniques **2 units**

Transfer: CSU

- *Prerequisite: Photography 1 (Concurrent enrollment allowed).*

This introductory lab course prepares students for general specialization in photography. Black and white exposure techniques, development controls, printing techniques, and film exposures are included. Specific shooting and printing assignments explore a variety of natural light situations and shooting challenges. Weekly lectures support practical supervised laboratory periods. Required for photography majors.

PHOTO 5, Digital Asset Management, Modification and Output **3 units**

Transfer: CSU

- *Prerequisite: Photography 1.*

An introduction to digital camera exposure methods in various lighting conditions, image processing, basic color theory, color management, and various digital output techniques for both color and black & white imagery. Students are required to use outside commercial lab services and must furnish an approved digital camera with removable lenses (DSLR) which is capable of capturing in the Camera Raw format. A knowledge of basic computer functions is essential.

PHOTO 7, Advanced Portfolio Development **3 units**

Transfer: UC, CSU

This class provides the advanced commercial student with the opportunity to develop work to a professional level under the supervision of a faculty adviser on a one-to-one basis. Study facilities as well as color and black and white laboratory privileges are available to the student in support of this portfolio work. Assignments are designed by the student with instructor approval. Admission by interview only.

PHOTO 13, News Photography **3 units**

Transfer: CSU

- *Prerequisite: Photography 1.*

This survey course in basic news photography is designed for journalism or photography majors and students interested in having work published in magazines and newspapers. Students learn basic camera and storytelling techniques, photocomposition, and picture layout principles. A 35-mm single-lens reflex camera with manual focus capability is required. Photography 13 is the same course as Journalism 21. Students may earn credit for one, but not both. *Photography 13 is the same course as Journalism 21. Students may earn credit for one, but not both.*

PHOTO 14, Photography for Publication **3 units**

Transfer: CSU

- *Prerequisite: Journalism 21 or Photography 13.*

This advanced course provides an in-depth study of photojournalism with an emphasis on creation of photo story ideas, photo essays and feature photos for publication. Photo editing and layout for newspapers, magazines, and online publishing will be covered. Students will comprise the staff of the campus newspaper, The Corsair, and online publications. This course may be repeated once for credit. A 35-mm single-lens reflex camera with manual focus capability is required.

Photography 14 is the same course as Journalism 22. Students may receive credit for one, but not both.

PHOTO 21, Alternative Photographic Processes **3 units**

Transfer: CSU

- *Prerequisite: Photography 2.*

Introduction into non-traditional and historical photographic processes. Emphasis is placed primarily on non-silver techniques and processes, including the making of enlarged negatives. Processes may include cyanotype, Van Dyke, platinum/palladium and others

PHOTO 29, Video Production for Still Photographers **3 units**

Transfer: CSU

- *Prerequisite: Photography 3.*

This class is designed to provide the intermediate photography student with the skill set to produce video content in tandem with still photography. This course covers preparing a narrative using a storyboard, HD video camera techniques, lighting for video, recording sound, and video editing. Students will shoot assignments in both still and video formats outputting to broadcast, internet, DVD and print.

PHOTO 30, Techniques of Artificial Lighting 4 units

Transfer: CSU

- *Prerequisite: Photography 5 (Concurrent enrollment allowed).*

In this class students will acquire a solid foundation of in lighting tools and the practical application of lighting. Students will learn the proper selection and effective use of a light source whether photographing a portrait, a still life or any type of location photography.

PHOTO 31, Lighting for People 1 4 units

Transfer: CSU

- *Prerequisite: Photography 30 and 39 (Concurrent enrollment in 39 is permitted).*

In this class, students will be exposed to common approaches for photographing people. Topics are practical in nature and will include lighting methods for individuals and groups both in the studio and on location. The use of various flash systems and their modifiers, augmenting existing light, posing subjects, wardrobe decisions, hair & make up, and more will be addressed. Assignments and lessons will emphasize common genres including, but not limited to, weddings, corporate portraits, family portraits, and headshots.

PHOTO 32, Lighting for People 2 4 units

Transfer: CSU

- *Prerequisite: Photography 30 and Photography 39.*

Photo 32 is an advanced course that builds on skills learned in Photo 30 and focuses on techniques for photographing people in commercial settings. Assignments are designed to enhance creativity while utilizing advanced commercial lighting techniques for photographing people. Lectures and demonstrations will take place both in and out of the studio, and are geared toward commercial considerations for photographing people. Commercial genres discussed will include magazine/editorial portraits, advertising, fashion, and glamour/beauty.

PHOTO 33, Lighting for Products 4 units

Transfer: CSU

- *Prerequisite: Photography 30 and 39 (Concurrent enrollment in 39 is permitted).*

In this course, students are challenged with lighting applications for a broad range of products for use in a variety of promotional markets. Students research and apply current photographic styles for each type of product. In addition, students learn how to work with models to enhance the product statement and retouching techniques for both models and product types.

PHOTO 37, Advanced Black and White Printing Techniques 3 units

Transfer: CSU

- *Prerequisite: Photography 2.*

Students will learn the zone system control of exposure and development of films, basic sensitometry, advanced printing techniques including bleaching and toning, use of multiple contrast filters, and archival preservation techniques.

PHOTO 39, Beginning Photoshop 3 units

Transfer: CSU

- *Prerequisite: Photography 5.*

This course is an introduction to digital imaging for photography majors using Adobe Photoshop. Students will learn how to manipulate, make selections and enhance digital images, including retouching for output to a variety of media.

PHOTO 40, Digital Techniques 3 units

Transfer: CSU

- *Prerequisite: Photography 30 and 39.*

Utilizing 35mm HDSLR and medium format cameras, the content of this course reflects current professional capture and output techniques used in commercial photography. Curriculum covers extensive testing of cameras, monitors, and inkjet printers in order to create a consistent, closed loop workflow.

PHOTO 42, Advanced Photoshop 3 units

Transfer: CSU

- *Prerequisite: Photography 39.*

This course covers advanced level digital image manipulation on the computer using Adobe Photoshop and page layout software. Students will continue to explore more complex features of Photoshop, and will make use of the full range of input/output devices and options available in the digital image lab's service bureau.

PHOTO 43, Portfolio Development 3 units

Transfer: CSU

- *Prerequisite: Photography 31 or 32, Photography 33, and 39.*

This course addresses the process of building a photographic portfolio that meets the current professional industry standards for presenting work to potential employers and clients. Emphasis is placed on developing a personal style that displays a comprehensive understanding of photographic methods, genres, and presentation.

PHOTO 50, Basic Color Printing 3 units

- *Prerequisite: Photography 2.*

This course provides an introduction to color printing from negative materials. Students will produce "C" prints from a variety of color films using Dichromic enlargers, Ektaprint chemistry, and a roller transport machine processor. Simple problems, such as color balance, exposure choices, paper surfaces, and enlargement are addressed.

PHOTO 52, History of Photography 3 units

Transfer: UC, CSU

IGETC AREA 3A (Arts)

- *Prerequisite: None.*

This is a historical survey of the evolving nature of photography from the early 1800's to the present digital age. *Photography 52 is the same course as AHIS 52. Students may earn credit for one, but not both.*

PHOTO 60, Business Practices in Photography 3 units

Transfer: CSU

- *Advisory: Photography 1.*

This lecture course examines the necessary steps that a photographer must take to start a commercial photography business. Relevant local, state and federal regulatory and taxing agencies and application forms, professional support services, general ledger accounts setup pertinent to photography, photographic business insurance needs, and employer obligations are discussed. Students will learn

PHOTOGRAPHY COURSE SEQUENCE

REQUIRED FOR PHOTOGRAPHY DEGREE (40 units)

| YEAR | FALL | SPRING |
|--------------------|---|--|
| First Year | Photography 1 (3) Photography 52 (3) Non-photo Elective** (3) | Photography 2 (2) Photography 5 (3) Photography 30 (4) Photography 60 (3) |
| Second Year | Photography 31 (4) or Photography 32 (4) Photography 33 (4) Photography 39 (3) | Photography 43 (3) Photography Elective* (5) |

REQUIRED COURSES (32 units)

Photography 1, Introduction to Photography (3)
 Photography 2, Basic Photography Lab Techniques (2)
 Photography 5, Digital Asset Management, Modification, and Output (3)
 Photography 30, Techniques of Lighting: Introduction (4)
 Photography 31, Introduction: Photographing People 1 (4) **or** Photography 32, Photographing People: Advanced (4)
 Photography 33, Techniques of Lighting: Production (4)
 Photography 39, Beginning Photoshop (3)
 Photography 43, Portfolio Development (3)
 Photography 52, History of Photography (3) (same as Art History 52)
 Photography 60, Business Practices in Photography (3)

*AREA B: Restricted Photography Electives

Please note that no more than 2 units of Independent Studies and no more than 3 units of internship may be used to satisfy completion of this degree from the following courses if not used above: (5 units)

Graphic Design 31, Graphic Design Studio 1 (2)
 Photography 7, Advanced Portfolio Development (3)
 Photography 13, News Photography (3)
 Photography 14, Photography for Publication (3)
 Photography 21, Alternative Printing (3)
 Photography 29, Video Production for Still Photographers (3)
 Photography 31, Introduction: Photographing People (4)
 Photography 32, Photographing People: Advanced (4)
 Photography 37, Advanced Black and White Printing (3)
 Photography 40, Digital Capture (3)
 Photography 42, Advanced Photoshop (3)
 Photography 50, Basic Color Printing (3)
 Photography 64, Community Documentary Photography (4)
 Photography 88A, Independent Studies in Photography (1)
 Photography 88B, Independent Studies in Photography (2)
 Photography 88C, Independent Studies in Photography (3)
 Photography 90A, Internship in Photography (1)
 Photography 90B, Internship in Photography (2)
 Photography 90C, Internship in Photography (3)
 Photography 90D, Internship in Photography (4)

**Non-photography Elective Courses

Select 1 course from the list below: (3 units minimum)

Art 10A, Design I (3)
 Art 10C, Computer Design (3)
 Art 20A, Drawing I (3)
 Business 22, Introduction to Advertising (3)
 Business 34, Introduction to Social Media Marketing (3)
 Business 63, Principles of Entrepreneurship (3)

how to create a simple business plan applicable to photographic ventures. The course also examines issues of sound financial practices specific to profitability in commercial photography, paying particular attention to matters of copyright and image licensing, calculating cost of doing business, strategies for pricing image usage, and negotiating job fees.

PHOTO 64, Community Documentary Photography **4 units**

Transfer: CSU

- *Prerequisite: Phototography 2.*

This course explores the genre of documentary photography while focusing on various communities in the Los Angeles area. Students will create an in-depth project and present a portfolio of photographs documenting the unique characteristics of individual communities in Los Angeles. Each semester will offer a unifying, rotating topic that may focus on specific neighborhoods, subcultures, or other appropriate themes. Lectures focus on historical photographic references and contemporary social issues. The importance and power of documentary photography are discussed and historical examples that have inspired change or shaped our perception of communities are explored. Students utilize large format cameras and film (in addition to their own digital cameras) as a way of better understanding historical processes in photography and nurturing a respect for the medium's alternative, non-commercial side.

PHOTO 88A, Independent Studies in Photography **1 unit**

Transfer: CSU

Please see "Independent Studies" section.

PHOTO 88B, Independent Studies in Photography **2 units**

Transfer: CSU

Please see "Independent Studies" section.

PHOTO 90A, Photography Internship **1 unit**

Transfer: CSU

- *Prerequisite: None.*

Students must arrange an approved internship prior to enrolling in this class. F-1 students must see the Immigration Coordinator at the International Education Center before enrolling.

The internship Program is designed to provide the student with "real life" experience in a photography environment.

PHOTO 90B, Internship in Photography **2 units**

Transfer: CSU

- *Prerequisite: None.*

Students must arrange an approved internship prior to enrolling in this class. F-1 students must see the Immigration Coordinator at the International Education Center before enrolling.

The Internship Program is designed to provide the student with "real life" experience in a photography environment.

PHOTO 90C, Internship in Photography **3 units**

Transfer: CSU

- *Prerequisite: None.*

Students must arrange an approved internship prior to enrolling in this class. F-1 students must see the Immigration Coordinator at the International Education Center before enrolling.

The Internship Program is designed to provide the student with "real life" experience in a photography environment.

PHOTO 90D, Internship in Photography **4 units**

Transfer: CSU

- *Prerequisite: None.*

Students must arrange an approved internship prior to enrolling in this class. F-1 students must see the Immigration Coordinator at the International Education Center before enrolling.

The Internship Program is designed to provide the student with "real life" experience in a photography environment.

Photovoltaic Systems

PV 1, PV 2, and PV 3, are part of a Certificate program within the Sustainable Technologies Program. Students interested in a degree or certificate in Solar Photovoltaic Systems must attend the mandatory orientation on Monday, August 15, 2016 from 4:00-6:00pm in Bus 111. For more information email: sustainabletechnology@smc.edu, www.smc.edu/STP

PV 1, Introduction to Solar Energy Systems **3 units**

- *Prerequisite: None.*

Students will gain a basic understanding of the introductory principles of solar photovoltaic systems and renewable energy alternatives. Basic electrical theory, the variables of PV system design, and capacity requirements for photovoltaic systems will be reviewed. Topics will include the scientific principles, materials and manufacturing, system components, codes, energy efficiency, and safe installation procedures for each technology. Students will examine the economic, regulatory, and infrastructure issues affecting the adoption of solar technologies, as well as their potential in solving energy and environmental problems.

PV 2, Intermediate Solar Photovoltaic System Installation **3 units**

- *Prerequisite: Photovoltaic Systems 1.*

This course will prepare students for entry-level employment in the solar photovoltaic (PV) industry and for potential follow-on training in system design. Combining theory and hands-on application, this course will include basic electricity, electricity fundamentals in solar PV systems and PV safety. Introduction to site analysis, PV system sizing and design, components and equipment, product installation, net metering laws, local codes, and National Electrical Code (NEC) PV requirements will be discussed.

PV 3, Advanced Solar Photovoltaic Systems **4 units**

- *Prerequisite: Photovoltaic Systems 2.*

This course will examine the theoretical and technical dimensions of solar photovoltaic systems in detail. It will provide the hands-on instruction necessary for entry to mid-level employment in the industry. Students will learn advanced principles of electricity and how they apply to solar PV systems. They will review PV safety, site analysis, PV system sizing and design, components and equipment. Detailed discussions on product installation, troubleshooting, net metering laws, local codes, and National Electrical

Code (NEC) PV requirements will be covered. Successful participants will be qualified to take the North America Board of Certified Energy Practitioners (NABCEP) Entry Level exam.

PV 4, Photovoltaic Technical Sales 3 units

- *Prerequisite: None.*
- *Skills Advisory: Photovoltaic Systems 1.*

This course is designed for students interested in a career in the photovoltaics (PV) industry. The fundamental principles of selling PV systems will be covered as well as the activities that support sales such as PV system design and engineering. The course will cover marketing, customer relations, technical and cost proposal development, and working with authorities having jurisdiction over the installation and interconnection of PV systems.

Physics

PHYSICS 6, General Physics 1 with Lab 4 units

Transfer: UC, CSU
C-ID: PHYS 105.

IGETC AREA 5 (Physical Sciences, + LAB)

- *Prerequisite: Math 2.*

This course is an algebra-based study of classical mechanics, including elastic properties of matter and thermodynamics.

PHYSICS 7, General Physics 2 with Lab 4 units

Transfer: UC, CSU

IGETC AREA 5 (Physical Sciences, + LAB)

- *Prerequisite: Physics 6.*

This course is an algebra-based study of electricity and magnetism, geometrical and wave optics, and some special relativity and quantum physics.

PHYSICS 8, Calculus-based General Physics 1 with Lab 4 units

Transfer: UC, CSU

IGETC AREA 5 (Physical Sciences, + LAB)

- *Prerequisite: Math 7.*

This course is a calculus-based study of the mechanics of solids and liquids, elastic properties of matter, heat, and wave motion.

PHYSICS 9, Calculus-based General Physics 2 with Lab 4 units

Transfer: UC, CSU

IGETC AREA 5 (Physical Sciences, + LAB)

- *Prerequisite: Physics 8.*

This course is a calculus-based study of electricity and magnetism, geometrical and physical optics, special relativity, and quantum physics.

PHYSICS 12, Introductory Physics Non-Lab 3 units

Transfer: UC, CSU

IGETC AREA 5 (Physical Sciences, non-lab)

- *Prerequisite: None.*

Physics 12 is designed for the student who is interested in a more conceptual and less mathematical approach to physics. It is a survey course introducing the topics of mechanics, heat, sound, electricity and magnetism, light and modern physics. The emphasis will be on developing conceptual understanding of the laws of nature through

lectures, demonstrations, and class discussions. High school math recommended.

PHYSICS 14, Introductory Physics with Lab 4 units

Transfer: UC, CSU

IGETC AREA 5 (Physical Science, + LAB)

- *Prerequisite: None.*

Physics 14 is recommended for students who have not had high school physics but are planning to take Physics.

This course is similar to Physics 12 in content, and difficulty level, but with a laboratory session added to enhance the learning experience. Physics 14 is designed for the student who is interested in a more conceptual and less mathematical approach to physics. It is a survey course introducing the topics of mechanics, heat, sound, electricity and magnetism, light and modern physics. The emphasis will be on developing conceptual understanding of the laws of nature through hands-on experiences, laboratory experiments, and computer interactions, in addition to lectures and demonstrations. Maximum credit for Physics 12 and 14 combined is 4 units. High school math recommended.

PHYSICS 21, Mechanics with Lab 5 units

Transfer: UC, CSU

C-ID: PHYS 205.

IGETC AREA 5 (Physical Sciences, + Lab)

- *Prerequisite: Math 7.*

Formerly Physics 1.

This course is a calculus-based study of the mechanics of rigid bodies, emphasizing Newton's laws and its applications. This course includes an introduction to fluids. It is designed for engineering, physical science, and computer science majors.

PHYSICS 22, Electricity and Magnetism with Lab 5 units

Transfer: UC, CSU

C-ID: PHYS 210.

IGETC Area 5 (Physical Science, + LAB)

- *Prerequisite: Math 8, Physics 21.*

Formerly Physics 3.

This course is a calculus-based study of electromagnetism covering aspects of electric and magnetic fields, DC and AC circuits, electromagnetic interactions, light, and relativity. The course is intended for engineering and physical science students.

PHYSICS 23, Fluids, Waves, Thermodynamics, Optics with Lab 5 units

Transfer: UC, CSU

C-ID: PHYS 215.

IGETC AREA 5A (Physical Sciences, + LAB)

- *Prerequisite: Math 8, Physics 21.*

Formerly Physics 2.

This course is a calculus-based study of fluids, waves, thermodynamics, and light intended for engineering and physical science students.

PHYSICS 24, Modern Physics with Lab 3 units

Transfer: UC, CSU

- *Prerequisite: Physics 21 and Math 8.*
- *Skills Advisory: Physics 22 and Physics 23.*

This course is a calculus-based introduction to modern physics for engineering and physical science students.

PHYSICS COURSE SEQUENCE

The correspondence between sequences and majors implied in these titles is only approximate. The sequence best suited for you depends on your major and the university program to which you plan to transfer. Please consult with an SMC counselor to make sure that the sequence you take is appropriate for your goals.

Course Descriptions

Allied Health General Science

PHYSICS 7

General Physics 2
with Lab (4 units)

PHYSICS 6

General Physics 1
with Lab (4 units)

MATH 2

Precalculus
(5 units)

Pre-Med & Others/ Life Science Majors

PHYSICS 9

Calculus-Based General
Physics 2 with Lab (4 units)

PHYSICS 8

Calculus-Based General
Physics 1 with Lab (4 units)

MATH 7

Calculus 1
(5 units)

Engineering, Physics, & Chemistry Majors

PHYSICS 22**

Electricity and Magnetism
with Lab (5 units)

PHYSICS 23

Fluids, Waves,
Thermodynamics, Optics
with Lab (5 units)

PHYSICS 24

Modern Physics with Lab
(3 units)

**Physics 22 is a
prerequisite course
for ENGR 21

PHYSICS 21*

Mechanics with Lab
(5 units)

MATH 8

Calculus 2
(5 units)

*Physics 21 is a
prerequisite course
for ENGR 12

General Education

Best for 4-year
transfer GE

PHYSICS 12

Introductory Physics
Non-Lab (3 units)

PHYSICS 14

Introductory Physics
with Lab (4 units)

Topics will be selected from the areas of relativity and quantum physics that include applications to atoms, molecules, solids, and nuclei.

PHYSICS 88A, Independent Studies in Physics 1 unit

Transfer: CSU

Please see "Independent Studies" section.

PHYSICS 88B, Independent Studies in Physics 2 units

Transfer: CSU

Please see "Independent Studies" section.

Physiology

Please see listing under "Biological Sciences."

Political Science

POL SC 1, National and California Government

3 units

Transfer: UC, CSU

C-ID: POLS 110.

IGETC AREA 4 (Social and Behavioral Sciences)

+ satisfies CSU Constitution and American Ideals graduation requirement

- Prerequisite: None.
- Skills Advisory: Eligibility for English 1.

This course surveys and analyzes the principles, institutions, policies, and politics of U.S. National and California State Governments. Students will use course concepts to situate themselves as citizens and political agents.

POL SC 2, Comparative Government and Politics

3 units

Transfer: UC, CSU

C-ID: POLS 130.

IGETC AREA 4 (Social and Behavioral Sciences)

- Prerequisite: None.
- Skills Advisory: Eligibility for English 1.

This course surveys the scope and methods of comparative political analysis. It examines democratic, authoritarian, and transitional political systems to illustrate the central theories and ideas in comparative politics. It compares the political structures, processes, and cultures of countries at different levels of economic and social development in several world regions (e.g. Central and Latin America, Africa, the Middle East, Central, South and East Asia, and Western and Central Europe).

POL SC 3, Introduction to Politics: Justice, Power and Agency

3 units

Transfer: UC, CSU

IGETC Area 4H (Social and Behavioral Sciences)

- Prerequisite: None.
- Skills Advisory: Eligibility for English 1.

Course focuses on the nature and study of politics, from both a historical and contemporary perspective. Students explore the methods and approaches used in the field of Political Science to analyze a variety of political concepts and problems, including the nature and distribution of power, justice, citizenship, sustainability, leadership and agency.

POL SC 5, International Political Economy: Introduction to Global Studies

3 units

Transfer: UC, CSU

IGETC AREA 4 (Social and Behavioral Sciences)

- Prerequisite: None.
- Skills Advisory: Eligibility for English 1.

This course satisfies the Santa Monica College Global Citizenship requirement.

This course offers an interdisciplinary introduction to the fields of Global Studies and International Political Economy. Students will analyze critically the role of national governments, international organizations, nongovernmental organizations, and multinational corporations, in regard to phenomena such as, international markets and production regimes, monetary and trade policy, international and global conflict, and environmental degradation. Contending theoretical and ideological perspectives regarding international systems, processes, and trends will be applied and evaluated.

Political Science 5 is the same course as Economics 5 and Global Studies 5. Students may earn credit for one course.

POL SC 7, International Politics

3 units

Transfer: UC, CSU

C-ID: POLS 140.

IGETC AREA 4 (Social and Behavioral Sciences)

- Prerequisite: None.
- Skills Advisory: Eligibility for English 1.

This course examines the structure and operation of the international system. Emphasis is placed on the nature and sources of conflict and cooperation and issues of war and peace among states in the international system.

POL SC 8, The Modern Far East

3 units

Transfer: UC, CSU

IGETC AREA 4 (Social and Behavioral Sciences)

- Prerequisite: None.
- Skills Advisory: Eligibility for English 1.

This course concentrates on the political and social history of East Asia in the 20th century. The following subjects are studied: major movements of social and political change; revolution; the pattern of political culture and power; the pattern of foreign and domestic policy; and the relationship of East Asia to the Western World.

POL SC 10, Government Internships

3 units

Transfer: CSU

- Skills Advisory: Eligibility for English 1.

Approved internship must be arranged prior to enrollment. This course is designed to afford student interns the opportunity to earn academic credit for their public service intern experience. The practical experience will include observation of and actual participation in the work of a national, state, or local legislative or executive government agency. Formal academic credit is required by most of the government agencies and officials as a condition of their participation in our internship program. Academic credit is based on a written report or research paper relating to the internship experience of the student and an oral examination.

POL SC 11, World Affairs and the United Nations**3 units**

Transfer: CSU

- *Skills Advisory: Eligibility for English 1.*

Political Science 12, Model United Nations, is a companion course to Political Science 11.

This course examines global conflict and cooperation since World War II, with special emphasis on the United Nations and related organizations. Arms proliferation and control, regional conflicts, world social and economic cooperation, and governmental and nongovernmental efforts to promote peace and security are examined.

POL SC 12, Model United Nations**1 unit**

Transfer: CSU

- *Skills Advisory: Eligibility for English 1.*

This course should be taken concurrently with or subsequent to Political Science 11. Additional fees are required and any costs associated with travel, room and board will be the responsibility of students. Consultation with the instructor is recommended prior to enrollment.

Students will participate in local, state, or national Model United Nations, and will research country positions, policy issues, United Nation rules of debate and parliamentary procedure, diplomacy negotiation, and techniques of conflict resolution.

POL SC 14, Middle East Government and Politics**3 units**

Transfer: UC, CSU

IGETC AREA 4 (Social and Behavioral Sciences)

- *Prerequisite: None.*
- *Skills Advisory: Eligibility for English 1.*

This comparative study of the government and politics of the Middle Eastern states gives emphasis to the study of the relationship between political development, political organization, and social structure.

POL SC 21, Race, Ethnicity, and the Politics of Difference**3 units**

Transfer: UC, CSU

IGETC AREA 4 (Social and Behavioral Sciences)

- *Prerequisite: None.*
- *Skills Advisory: Eligibility for English 1.*

This course satisfies the Santa Monica College Global Citizenship requirement.

The social construction of race and ethnicity, gender and sexual orientation in American society and their relationship to local, state, and national government is covered. Of particular concern are problems of assimilation and integration into the political system, the politics of exclusion, discrimination, voting behavior and pressure group politics, ideology, resistance and political action, the social construction of race and racism, the poor and the culture of poverty, political problems of the aged, the young, women, gay, lesbian, bisexual, and transgendered people. This course satisfies the SMC requirement for American Cultures.

POL SC 22, Environmental Politics and Policies**3 units**

Transfer: UC, CSU

IGETC AREA 4 (Social and Behavioral Sciences)

- *Prerequisite: None.*

- *Skills Advisory: Eligibility for English 1.*

This course satisfies the Santa Monica College Global Citizenship requirement.

This course examines environmental politics. The political, economic, and social origins of environmental change and degradation are examined, as well as democratic, bureaucratic and market-based solutions to environmental problems advocated by environmental movements, interest groups and political parties. Arguments for best public policy responses to a range of environmental problems will be assessed and debated. The course offers a practical problem-solving approach focusing primarily on the relations between a range of contemporary political values and on what it means to take political responsibility for reducing the human impact on the earth.

Political Science 22 is the same course as Environmental Studies 22. Students may earn credit for one, but not both

POL SC 23, Sex, Gender, and Power**3 units**

Transfer: UC, CSU

IGETC AREA 4 (Social and Behavioral Sciences)

- *Prerequisite: None.*
- *Skills Advisory: Eligibility for English 1.*

This interdisciplinary course critically explores the politics of gender and sexuality in contemporary societies. The course considers materials from political theory, philosophy, the study of women, the study of masculinity, and queer studies as it examines the role of gender, gender based social movements, and sexual politics in political and social life and in contemporary political affairs.

POL SC 24, Introduction to Law**3 units**

Transfer: UC (pending), CSU

- *Prerequisite: None.*
- *Skills Advisory: Eligibility for English 1.*

This course is an introduction to the legal concepts and contemporary legal conflicts in the United States, including the philosophical and historical basis for resolution of conflict. Historical and contemporary conflicts in the areas of civil liberties and civil rights, as well as other current legal conflicts and controversies are addressed. This course satisfies a requirement for the Law Pathway program.

POL SC 31, Introduction to Public Policy**3 units**

Transfer: UC, CSU

IGETC AREA 4H (Social and Behavioral Sciences)

- *Prerequisite: None.*
- *Skills Advisory: Eligibility for English 1.*

This course is an introduction to public policy. The course covers core topics in American public policy and focuses on institutions, policy actors, and major theoretical models. In addition, the course covers the nature and practice of policy analysis in order to demonstrate how to employ evaluative criteria in substantive policy areas.

POL SC 47, International Politics Seminar**3 units**

Transfer: UC, CSU

IGETC AREA 4H (Social & Behavioral Sciences)

- *Prerequisite: None.*
- *Skills Advisory: Eligibility for English 1.*

This seminar in international politics features analysis and discussion of the international system. Patterns of cooperation and conflict between states, alliance systems, security issues and the international economy are among the topics on which students will write papers. Seminar sessions are

characterized by discussion, oral reports and critical analysis of papers, articles and books. Consultation with the instructor is encouraged before enrolling.

POL SC 51, Political Philosophy **3 units**

Transfer: UC, CSU

C-ID: POLS 120.

IGETC AREA 3B (Humanities) or AREA 4 (Social & Behavioral Sciences)

- *Prerequisite: None.*
- *Skills Advisory: Eligibility for English 1.*

This inter-disciplinary course in philosophy and political science examines fundamental ideas about politics in the writings of major Western thinkers from Plato to Marx. Students will situate themselves as citizens and political agents.

Political Science 51 is the same course as Philosophy 51. Students may earn credit for one, but not both.

POL SC 52, Contemporary Political Thought **3 units**

Transfer: UC, CSU

IGETC AREA 3B (Humanities) or AREA 4 (Social & Behavioral Sciences)

- *Prerequisite: None.*
- *Skills Advisory: Eligibility for English 1.*

This interdisciplinary course in philosophy and political science examines arguments and discourses developed within contemporary political thought. How those discourses critique and/or are rooted in modern ideologies, such as liberalism and socialism will be considered. The theoretical perspectives presented in the course will be used to critically examine important issues in contemporary politics. Students will situate themselves as citizens and political agents in relation to those issues.

Political Science 52 is the same course as Philosophy 52. Students may earn credit for one, but not both.

POL SC 88A, Independent Studies in Political Science **1 unit**

Transfer: CSU

Independent study is intended for advanced students interested in doing independent research on special study topics. To be eligible, a student must demonstrate to the department chairperson the competence to do independent study. To apply for Independent Studies, the student is required, in a petition that may be obtained from the department chair, to state objectives to be achieved, activities and procedures to accomplish the study project, and the means by which the supervising instructor may assess accomplishment. Please see discipline listing for details. A maximum of six units of independent studies is allowed. Granting of UC transfer credit for an Independent Studies course is contingent upon an evaluation of the course outline by a UC campus.

POL SC 88B, Independent Studies in Political Science **2 units**

Transfer: CSU

Independent study is intended for advanced students interested in doing independent research on special study topics. To be eligible, a student must demonstrate to the department chairperson the competence to do independent study. To apply for Independent Studies, the student is required, in a petition that may be obtained from the department chair, to state objectives to be achieved, activi-

ties and procedures to accomplish the study project, and the means by which the supervising instructor may assess accomplishment. Please see discipline listing for details. A maximum of six units of independent studies is allowed. Granting of UC transfer credit for an Independent Studies course is contingent upon an evaluation of the course outline by a UC campus.

POL SC 95, Public Policy – Experiential Learning **2 units**

Transfer: CSU

- *Prerequisite/Corequisite: Political Science 31.*
- *Skills Advisory: Eligibility for English 1.*

This course builds upon the content of Political Science 31, Introduction to Public Policy, to provide the student with field experience in the discipline. This course addresses the theoretical underpinnings of democratic civic engagement and is a practicum in public policy in a local setting. In this hands-on course, the student will engage in experiential learning through various governmental and nongovernmental agencies which have a role in developing and/or implementing public policy. The student will develop a reading list, customized to the focus of his/her particular agency, and complete a minimum of 30 hours of volunteer work with that agency. The course exposes the student to organized, meaningful public policy research and implementation in substantive policy arenas and will be supervised in his/her off-campus experiential learning project pertaining to the development of public policy.

This course is graded on a PINP basis only.

POL SC 99, Applied Learning in Political Science **1 unit**

Transfer: CSU

- *Corequisite: Any course in Political Science.*

This course—taken in tandem with another course in the discipline—enables a student to apply course content in a meaningful and relevant way to a particular activity. In this hands-on course, students engage in applied learning through unpaid experiential activities organized by the student (in conjunction with SMC's applied / service learning center) and approved by the instructor. Students will develop a customized reading list relevant to their particular activity, complete a minimum of 15 hours of volunteer work with that activity, and submit academically-sound written reports regarding the activity. By applying course material to their experience, students develop a deeper understanding of the discipline.

Political Science – Noncredit

POL SC 930, Preparation for Citizenship **0 units**

This course prepares students to successfully apply for and be granted US Citizenship by the Office of Homeland Security. Students will learn about US History and Civics to prepare for their final interview and how to correctly fill out and submit the N-400 Application for Citizenship. Students will also learn interviewing techniques that will help them prepare for the final interview with the US Government.

Portuguese

Additional hours to be arranged in the Modern Language Lab for Elementary Portuguese.

PORTGS 1, Elementary Portuguese 1 **5 units**

Transfer: UC, CSU

IGETC Foreign Language (required for UC only)

- *Prerequisite: None.*

This course satisfies the Santa Monica College Global Citizenship requirement.

This course, using the communicative approach, introduces the students to basic vocabulary and fundamental sentence structure in the present, preterit and imperfect tenses, and a general introduction to fundamental cultural differences between the United States and Lusophone countries. Basic aural and reading comprehension is developed and students hold simple conversations and write short compositions about present and past actions. This course provides a thorough basic introduction to the diverse cultures, customs and traditions and to historical and current events of the Portuguese-speaking world. The course is taught in Portuguese except in cases of linguistic difficulty as determined by the professor. Lab is required.

Psychology

See Counseling for courses in educational and vocational planning and personal awareness.

PSYCH 1, General Psychology **3 units**

Transfer: UC, CSU

C-ID: PSY 110.

IGETC AREA 4 (Social & Behavioral Sciences)

- *Prerequisite: None.*
- *Skills Advisory: Eligibility for English 1.*

This course is an introduction and general survey course in psychology. This course grounds the student in the epistemology of psychology as a scientific discipline, research methods, and critical analysis of research findings. Substantive psychological content includes the biological bases of behavior, perception, cognition and consciousness, learning, memory, emotion, motivation, development, personality, social psychology, psychological disorders and therapeutic approaches, and applied psychology.

PSYCH 2, Physiological Psychology **3 units**

Transfer: UC, CSU

C-ID: PSY 150.

IGETC AREA 5 (Biological Sciences, non-lab)

- *Prerequisite: Psychology 1.*
- *Advisory: English 1.*

This introductory course emphasizes the biological approach and methods as tools for adding to our understanding of human psychology and neuroscience. Information about the functioning of the human nervous system is used to provide insight into mental, emotional, and behavioral processes. The role of biological factors underlying sensation, perception, motivation, learning, thinking, language processes, and psychopathology is stressed. The course also notes historical scientific contributions and current research principles for studying brain-behavior relationships and mental processes. Ethical standards for human

and animal research are discussed in the context of both invasive and non-invasive experimental research.

PSYCH 3, Personality: Dynamics and Development **3 units**

Transfer: UC, CSU

IGETC AREA 4 (Social & Behavioral Sciences)

- *Prerequisite: Psychology 1.*

This course provides an introduction to personality psychology. Topics covered include the utility of personality in predicting behavior, the influences of personality, the major theories of personality development and dynamics, and the application of personality theory and concepts to health, psychopathology, and treatment. Assessment of personality will also be discussed. This course will use a lecture, discussion, and demonstration format in exploring these topics.

PSYCH 5, The Psychology of Communication **3 units**

Transfer: UC, CSU

- *Prerequisite: Psychology 1.*

This course emphasizes the study of psychological processes involved with the construction of communication including perception, motivation, learning, and emotion. The course will cover issues involved in giving, receiving, and interpreting verbal and non-verbal behavior in a variety of interpersonal situations. Attention will be given to the intersection of gender, culture, and social identities and how these factors shape how we communicate with ourselves, with other individuals, and via mass communication and technology. Experiential exercises, including role-playing and small group interactions, provide opportunities to increase awareness of personal communication styles and to develop more effective communication skills including active listening, conflict resolution, and assertive language.

PSYCH 6, Marriage, Family, and Human Intimacy **3 units**

Transfer: UC, CSU

IGETC AREA 4 (Social and Behavioral Sciences)

- *Prerequisite: Psychology 1.*

This course provides insight into and preparation for establishing relationships as the basis for a successful and fulfilling individual, marital and family life. Included are values clarification, communication techniques, current views of male and female roles in society, mate selection, sexual involvement and adjustment, family planning, and child rearing. Special emphasis is placed on the need for compromise and adjustment in a marriage and family unit in our rapidly changing society. This course will use lecture, discussion, and experiential formats in exploration of these topics.

PSYCH 7, Research Methods in Psychology **3 units**

Transfer: UC, CSU

C-ID: PSY 200.

IGETC AREA 4I (Social and Behavioral Sciences)

- *Prerequisite: Psychology 1 and Math 54.*
- *Skills Advisory: Eligibility for English 1.*

This course surveys various psychological research methods with an emphasis on research design, experimental procedures, descriptive methods, instrumentation, as well as collection, analysis, interpretation and reporting of research data. Research design and methodology are examined in a variety of the sub disciplines of psychology.

Ethical considerations for human and animal research are explored. Students are introduced to critical thinking and the application of the scientific method to psychological questions. The course contains both lecture and practical experiences via the formulation and completion of original research conducted in small groups. Various descriptive and inferential statistical approaches are explored and utilized to evaluate data.

PSYCH 11, Child Growth and Development 3 units

Transfer: UC, CSU

C-ID: CDEV 100.

IGETC AREA 4 (Social & Behavioral Sciences)

- *Prerequisite: None.*
- *Skills Advisory: Eligibility for English 1.*

This course will examine the major developmental milestones for children, both typically and atypically developing, from conception through adolescence in the areas of physical, psychosocial, and cognitive development. Emphasis will be on interactions between maturational and environmental factors within a culturally sensitive framework. While studying developmental theory and investigative research methodologies, students will observe children, evaluate individual differences and analyze characteristics of development at various stages.

PSYCH 12, Adolescence and Early Maturity 3 units

Transfer: UC, CSU

- *Prerequisite: Psychology 11.*

This course, which continues the subject matter of Psychology 11, emphasizes the growth and development of preadolescent, adolescent, and mature individuals. Physiological, psychological, and social changes are included with emphasis on the many possibilities for adaptive and healthy development.

PSYCH 13, Social Psychology 3 units

Transfer: UC, CSU

IGETC AREA 4 (Social & Behavioral Sciences)

- *Prerequisite: Psychology 1.*

This course considers individual human behavior in relation to the social environment. The power of the situation, other individuals, and the social group will be examined. Emphasized topics include: aggression, prejudice and stereotypes, interpersonal attraction, attitudes and attitude change, conformity, group phenomena, gender roles, cultural norms, person perception, and social cognition.

PSYCH 14, Abnormal Psychology 3 units

Transfer: UC, CSU

IGETC AREA 4 (Social and Behavioral Sciences)

- *Prerequisite: Psychology 1.*

This course provides an introduction to biological, environmental, social, and psychological determinants of psychopathology and behavioral deviation. Historical and current theories of abnormal mental or behavioral functioning, their implications for therapy, and community support systems are discussed. An integrative survey of theory and research in abnormal behavior, and intervention and prevention strategies for psychological disorders are also introduced.

PSYCH 16, Mind and Metabolism 3 units

Transfer: UC, CSU

- *Prerequisite: Psychology 1.*

This course examines how fundamental brain processes (brain chemistry and physiology), psychological processes (thinking and emotion), and behavior are affected by metabolic factors related to nutrition, digestion, and elimination. An evolutionary and ecological perspective will be considered to gain an understanding of why and how the mind is affected by environmental/dietary changes.

PSYCH 18, Childhood: Culture and Personality 3 units

Transfer: UC, CSU

IGETC AREA 4 (Social and Behavioral Sciences)

- *Prerequisite: None.*

This course satisfies the Santa Monica College Global Citizenship requirement.

This course summarizes anthropological and psychological theories, methods and data. These are used to show the relationship between critical aspects of culture and the personality development of children, adolescents and adults. Comparisons of child rearing in different societies illustrate the role of myths, play, nutrition, education, and family in socialization. Inter-culture contact is discussed in relation to individuals and conflict in U.S. schools. Wherever possible, at least three cultures found within the California school systems, including but not limited to, Asian, Native American and Hispanic families are examined.

Psychology 18 is the same course as Early Childhood Education 18. Students may earn credit for one, but not both.

PSYCH 19, Lifespan Human Development 3 units

Transfer: UC, CSU

IGETC AREA 4I (Social & Behavioral Sciences)

- *Prerequisite: Psychology 1.*

From a psychological perspective, this course traces physical, emotional, social and intellectual development throughout the lifespan from conception through aging and dying. Special attention is paid to the interaction of biological, environmental, and psychological factors on development. The way familial, cultural and socioeconomic influences impact the individual will receive special emphasis. Theories and research regarding physical, cognitive, personality, and social development are used as a foundation to understand lifespan issues, developmental problems, and practical implications at each stage of development.

PSYCH 25, Human Sexuality 3 units

Transfer: UC, CSU

IGETC AREA 4 (Social and Behavioral Sciences)

- *Prerequisite: Psychology 1.*

This study of sexual behavior begins with anatomy and physiology, reproduction, and other biological topics. Pre- and post-natal development, gender differentiation, and psychosexual development are discussed to provide the background for considering the diversity of adult sexuality. In regularly scheduled small group meetings, the student is given an opportunity to explore and compare his or her own psychological and behavioral dynamics with the different values, beliefs, and practices of other individuals and other cultures.

PSYCH 35, Seminar on Contemporary Psychological Issues 3 units

Transfer: CSU

- *Prerequisite: Psychology 1.*

This course will examine the psychological literature covering a variety of contemporary topics. The areas may include: the psychology of prejudice, Eastern and Western psychology, experimental psychology, the psychology of learning, ecological psychology, the psychology of crime and incarceration, and other areas selected by the faculty. There may be a different focus each semester this course is taught.

PSYCH 40, Environmental Psychology **3 units**

Transfer: UC, CSU

IGETC AREA 4 (Social & Behavioral Sciences)

- *Prerequisite: None.*

This course satisfies the Santa Monica College Global Citizenship requirement.

This course will focus on the theory and application of psychological principles as they relate to the causes of, and potential solutions to, current global environmental problems. Modern ecological issues (such as global climate change, habitat-loss, etc.) have their historical origin in human behavior; this class will focus both on relevant causal behaviors, and on the mental mechanisms that give rise to such behavior. An evolutionary perspective will be employed to identify the pathways by which the clash of a “universal human nature” and the modern environment results in an “evolutionary mismatch.” Evolutionary models such as the “tragedy of the commons” will be elucidated with relevant and real world examples. In addition, the course will explore potential avenues to effectively reshape human kind’s social, technological and economic relationship with its environment. As such, a systems approach will be taken that considers the human as a part of, as well as an influence on, ecosystems. Cutting edge research will be integrated from different domains of psychology (cognitive, social, developmental and evolutionary, etc.) as well as related fields (genetics, behavioral economics, game-theory, anthropology, etc.) to comprehensively study the human-environment interaction.

PSYCH 40 is the same course as ENVRN 40. Students may earn credit for one but not both.

PSYCH 88A, Independent Studies in Psychology **1 unit**

Transfer: CSU

- *Prerequisite: Psychology 1 and one other Psychology course.*

Please see “Independent Studies” section.

PSYCH 88B, Independent Studies in Psychology **2 units**

Transfer: CSU

- *Prerequisite: Psychology 1 and one other Psychology course.*

Please see “Independent Studies” section.

PSYCH 320, Cognitive Psychology **3 units**

- *Prerequisite: Psychology 1, Math 54, English 1, and admission to the SMC baccalaureate degree program.*

This course is open only to students who have been admitted to SMC’s Bachelor of Science program in Interaction Design. See www.smcixd.org for more information. Transferability of this course will be determined on a case-by-case basis by the transfer institution.

This upper division Cognitive Psychology course addresses how humans learn to process information in their environ-

ment as well as how they decide how and when to act on their environment. This course includes a survey of cognitive psychology, specifically, the science and study of how people acquire, represent, transform and use verbal and nonverbal information. In this context we will explore sensation and perception of objects, surfaces, space, and motion. Additionally, key cognitive functions are explored including imagery, memory, representations of knowledge, language, decision making, thinking and reasoning, attention and vigilance. Finally, we will review developmental considerations in cognitive psychology from early infant cognition to maturation and cognition as we age.

Recycling and Resource Management

RRM 1, RRM 2, RRM 3, and RRM 4 are part of a Certificate program within the Sustainable Technologies Program. Students interested in a degree or certificate in Recycling and Resource Management must attend the mandatory orientation on Monday, August 15, 2016 from 4:00-6:00pm in Bus 111. For more information email: sustainabletechnology@smc.edu, www.smc.edu/STP

RRM 1, Introduction to Recycling Resource Management **3 units**

Transfer: CSU

- *Prerequisite: None.*

This course satisfies the Santa Monica College Global Citizenship requirement.

This course introduces general terminology and principles regarding waste, recycling, resource management and Zero Waste. The history of waste and resource management in California, including residential, commercial and institutional reuse, recycling, and composting programs, is addressed. An overview of national, state, and local legislation and regulations related to waste and resource management and recycling is provided. The course covers waste diversion practices such as reduce, reuse, recycle, and also introduces principles in recovery, remanufacturing and repurchasing.

RRM 2, Culture and Zero Waste **3 units**

Transfer: CSU

- *Prerequisite: None.*

This course will provide an overview of our “throw-away” culture and the motivations behind consumerism and related waste disposal practices. Key issues of the course include carbon footprint, plastics in our environment, consumer laws and cultural mindsets. The course will identify key government agencies and policies and how to collaborate and obtain funding for outreach. Environmental educational skills, programs, and methods will be reviewed. Case studies of successful youth campaigns will be explored and the basics of establishing strong educational programs examined.

RRM 3, Resource Management and Zero Waste for Communities **3 units**

Transfer: CSU

- *Prerequisite: None.*

This course will identify how resource management and Zero Waste policies and programs are developed within

a community, what type of planning and facilities are needed, and how to finance the systems. Students will also review sample sustainability and zero waste plans and will discuss different approaches communities have taken to developing Zero Waste goals. Students will also learn about tools for local government, best practices for RFPs (Request for Proposals) and contracts, enforcement options, design of resource recovery parks, performance reporting and financial records, Extended Producer Responsibility and Local Producer Responsibility policies and programs, bans, rules and incentives, and local markets and uses for discarded resources.

RRM 4, Resource Management and Zero Waste in Business **3 units**

Transfer: CSU

- *Prerequisite: None.*

This course will provide hands-on applications and tools for businesses to design, implement and oversee waste reduction and resource management programs. It will review a variety of best practices for successful waste diversion and recovery in businesses, detailing how businesses can implement those practices to achieve Zero Waste. Examination of case studies will be used to demonstrate how different companies have implemented successful waste diversion and sustainability programs, including triple bottom line business practices. This course will also provide students with an understanding of how to plan and implement commercial food and organics programs.

Religious Studies

REL ST 51, Literature of Bible: Old Testament **3 units**

Transfer: UC, CSU

IGETC Area 3B (Humanities)

- *Prerequisite: English 1.*

This course provides an analytical and critical study of the Old Testament of the Bible, focusing on its component genres and literary qualities. Attention is given to how Biblical literature has been and can be interpreted, studied, and used. Representative types of Biblical literature are examined.

Religious Studies 51 is the same course as English 51. Students may earn credit for one, but not both.

REL ST 52, Literature of Bible: New Testament **3 units**

Transfer: UC, CSU

IGETC Area 3B (Humanities)

- *Prerequisite: English 1.*

This course introduces the students to the variety and wealth of literature contained in the New Testament. Attention is given to the ways in which Biblical literature has been and can be interpreted, studied, and used. The various types of literature in the Bible are set forth and representative pages of each of these types are presented and examined.

Religious Studies 52 is the same course as English 52. Students may earn credit for one, but not both.

Respiratory Therapy

Enrollment in the Respiratory Therapy classes, with the exception of Res Th 1, requires admission to the program. Please call 310-434-3453 for additional information.

RES TH 1, Introduction to Respiratory Therapy **2 units**

Transfer: CSU

- *Prerequisite: None.*

This is a survey course in respiratory therapy that provides an overview of the profession, including the various educational routes, credentialing mechanisms, professional associations, and job responsibilities of a respiratory therapist. Pulmonary anatomy, physiology and pathophysiology, measurement scales, and basic gas behavior are taught. Principles of medical gas manufacture, storage, and safety systems are introduced.

RES TH 29, Neonatal and Pediatric Respiratory Therapy **4 units**

Transfer: CSU

- *Prerequisite: Admission to the Respiratory Therapy program.*

This course presents prenatal development, high risk pregnancy and normal labor and delivery. Assessment of the newborn and pediatric patient is taught. Neonatal and pediatric diseases and disorders are described with an emphasis on the respiratory care interventions, techniques, and equipment used in neonatal and pediatric patient care.

RES TH 30, Adult Critical Care Monitor and Diagnostics **3 units**

Transfer: CSU

- *Prerequisite: Admission to the Respiratory Therapy program.*

This course presents current techniques of monitoring the critically ill adult patient. This includes electrocardiography, cardiovascular/hemodynamic monitoring, capnography and pulmonary function testing. Cardiovascular pharmacology and common approaches to supporting the unstable intensive care patient are presented. Advanced Cardiac Life Support (ACLS) algorithms for treatment of the patient with acute coronary syndrome and other related disorders are reviewed.

RES TH 60, Respiratory Physiology **4 units**

Transfer: CSU

- *Prerequisite: Admission to the Respiratory Therapy program.*

This course presents the physiology of the cardiopulmonary system from a clinical perspective including basic anatomy, pulmonary ventilation, diffusion of gases, pulmonary circulation, ventilation/perfusion relationships, blood gas transport, acid-base balance, mechanics of breathing and neural control of breathing.

RES TH 70, Respiratory Pathophysiology **4 units**

Transfer: CSU

- *Prerequisite: Admission to the Respiratory Therapy program.*

The pathology and pathophysiology, diagnosis, and treatment of common diseases and disorders of the respira-

tory and cardiopulmonary systems are covered in detail. Techniques of laboratory evaluation and specific monitoring methods are discussed.

Russian

Additional hours to be arranged in the Modern Language Lab for Russian 1.

RUSS 1, Elementary Russian I **5 units**

Transfer: UC, CSU

IGETC Foreign Language (required for UC only)

- *Prerequisite: None.*

This course provides students with basic vocabulary and fundamental sentence structures in the present and past tenses, using the nominative, locative and accusative and genitive case of nouns and pronouns. Basic listening and reading comprehension is developed, and students engage in conversation, make oral presentations, and write brief compositions. Significant geographic, historical, literary and contemporary political, social and cultural issues are also introduced. Language lab is required.

RUSS 2, Elementary Russian II **5 units**

Transfer: UC, CSU

IGETC AREA 3B (Humanities), Foreign Language (required for UC only)

- *Prerequisite: Russian 1*.*

This continuation of Russian 1 increases basic vocabulary and introduces students to sentence structures including the past and future tenses in both imperfective and perfective verb aspects, and completes the cases (adding genitive, instrumental and dative cases) including plural forms. Basic listening and reading comprehension is developed, and students engage in conversations and write brief compositions using all tenses and cases. It includes the reading of excerpts from modern Russian sources (online newspapers and magazines) and discussion of significant geographic, historical, literary and contemporary political, social and cultural issues is continued and developed. This course is taught in Russian except in cases of linguistic difficulty as determined by the professor.

**The prerequisite for this course is comparable to two years of high school Russian.*

RUSS 8, Conversational Russian **2 units**

Transfer: UC, CSU

- *Prerequisite: Russian 2.*

This course provides an opportunity to acquire fluency in spoken Russian with emphasis on natural, colloquial use.

Science – General Studies

For other science courses please see specific disciplines such as chemistry, anatomy, biology, etc.

SCI 10, Principles and Practice of Scientific Research **2 units**

Transfer: UC, CSU

- *Prerequisite: successful completion of a UC transferable science class with lab and Mathematics 20.*
- *Skills Advisory: Eligibility for English 1.*

This course explores the modern practice of science. The course focuses on the use of the scientific method; the history of science; how, why and where research is conducted; the ethical protocol in the scientific process; how peer review works; and how to formulate scientifically testable hypotheses and design/perform experiments to test the hypotheses. Students will apply the scientific method in inquiry-based laboratory projects and will communicate research design, data collection, and data interpretation in conventional scientific formats.

Sociology

SOCIOL 1, Introduction to Sociology **3 units**

Transfer: UC, CSU

C-ID: SOCI 110.

IGETC AREA 4 (Social & Behavioral Sciences)

- *Prerequisite: None.*
- *Skills Advisory: Eligibility for English 1.*

This course introduces the study of society and human social interaction. Both macro and micro sociological theory are discussed, as well as methods of sociological inquiry, cultural development, the process of socialization, social structure, social stratification--particularly in the areas of social class, race and ethnicity, and gender--and social change. Students are highly encouraged to complete Sociology 1 prior to enrolling in other sociology courses. *Students may earn credit for either Sociology 1 or 1S but not both. Only Sociology 1S fulfills the Santa Monica College Global Citizenship requirement.*

SOCIOL 1 S, Introduction to Sociology – Service Learning **3 units**

Transfer: UC, CSU

C-ID: SOCI 110

IGETC AREA 4 (Social and Behavioral Sciences)

- *Prerequisite: None.*
- *Skills Advisory: Eligibility for English 1.*

This course satisfies the Santa Monica College Global Citizenship requirement.

By relying heavily on the instructional method of service-learning, this course introduces the study of society and human social interaction. Both macro and micro sociological theory are discussed, as well as methods of sociological inquiry, cultural development, the process of socialization, social structure, social stratification--particularly in the areas of social class, race and ethnicity, and gender--and social change. Students are highly encouraged to complete Sociology 1 or 1s prior to enrolling in other sociology courses. This course requires students to engage in learning outside the classroom in conjunction with various community-based organizations.

Students may earn credit for either Sociology 1 or 1S but not both. Only Sociology 1 S fulfills the Santa Monica College Global Citizenship Requirement.

SOCIOL 2, Social Problems **3 units**

Transfer: UC, CSU

IGETC AREA 4 (Social & Behavioral Sciences)

- *Prerequisite: None.*
- *Skills Advisory: Eligibility for English 1.*

This course involves a sociological analysis of contemporary social problems on the local, national, and international

level. Critical inquiry and analysis is conducted into issues such as global inequality, environmental destruction, urban deterioration, economic and political power distribution, poverty, racism, sexism, and problems of work, family, education, drugs, and crime. Theoretical perspectives of sociology and current sociological research are explored.

Students may earn credit for either Sociology 2 or 2S but not both. Only Sociology 2S fulfills the Santa Monica College Global Citizenship Requirement.

SOCIOL 2 S, Social Problems – Service Learning **3 units**

Transfer: UC, CSU

IGETC AREA 4 (Social and Behavioral Sciences)

- *Prerequisite: None.*
- *Skills Advisory: Eligibility for English 1.*

This course satisfies the Santa Monica College Global Citizenship requirement.

By relying heavily on the instructional method of service-learning, this course involves a sociological analysis of contemporary social problems on the local, national, and international level. Critical inquiry and analysis is conducted into issues such as global inequality, environmental destruction, urban deterioration, economic and political power distribution, poverty, racism, sexism, and problems of work, family, education, drugs, and crime. Theoretical perspectives of sociology and current sociological research are explored. This course requires students to engage in learning outside the classroom in conjunction with various community-based organizations.

Students may earn credit for either Sociology 2 or 2S but not both. Only Sociology 2S fulfills the Global Citizenship requirement.

SOCIOL 4, Sociological Analysis **3 units**

Transfer: UC, CSU

IGETC AREA 4 (Social & Behavioral Sciences)

- *Prerequisite: Sociology 1.*
- *Skills Advisory: Eligibility for English 1.*

This course introduces students to the fundamental principles and methods of sociological research design and implementation. Students examine the key varieties of evidence—including qualitative and quantitative data, data-gathering and sampling methods, logic of comparison, and causal reasoning. The work of several scholars is evaluated and students create their own research project related to a sociological issue.

SOCIOL 12, Sociology of the Family **3 units**

Transfer: UC, CSU

IGETC AREA 4 (Social and Behavioral Sciences)

- *Prerequisite: None.*
- *Skills Advisory: Eligibility for English 1.*

This course is an examination of the family as a social institution. Emphasis will be placed on relationships between the family and other social institutions from American and cross-cultural perspectives. Theories of family development in society as well as pertinent research will be studied.

SOCIOL 30, African Americans in Contemporary Society **3 units**

Transfer: UC, CSU

IGETC AREA 4 (Social & Behavioral Sciences)

- *Prerequisite: None.*
- *Skills Advisory: Eligibility for English 1.*

This course involves a sociological examination of the social, cultural, political, and economic conditions experienced by African Americans in the United States. Current and past institutional practices relating to inequality, institutional discrimination, segregation, cultural pluralism, and assimilation are analyzed. Social movements within African American communities as well as intra- and intergroup relations are also considered.

SOCIOL 31, Latinas/os in Contemporary Society **3 units**

Transfer: UC, CSU

IGETC AREA 4 (Social & Behavioral Sciences)

- *Prerequisite: None.*
- *Skills Advisory: Eligibility for English 1.*

This course introduces students to the characteristics and issues facing the large pan-ethnic Latina/o population in the United States. Attention will be given to the social, cultural, economic and political factors impacting the various Latino groups, as well as how those factors contribute both to differentiate and build coalition with other groups in American society. While the experiences of the diverse Latina/o groups will be examined, particular emphasis is placed on the experiences of Mexican Americans.

SOCIOL 32, Asian Americans in Contemporary Society **3 units**

Transfer: UC, CSU

IGETC AREA 4 (Social & Behavioral Sciences)

- *Prerequisite: None.*
- *Skills Advisory: Eligibility for English 1.*

This course introduces students to the social conditions and issues facing Asian/Pacific Americans. Using a sociological perspective, the pan-ethnic identity of Asian/Pacific Americans will be critically examined. Attention will be given to the social, cultural, economic, and political factors impacting the various Asian/Pacific groups, as well as how those factors impact both intra- and intergroup relations.

SOCIOL 33, Sociology of Sex and Gender **3 units**

Transfer: UC, CSU

IGETC AREA 4 (Social & Behavioral Sciences)

- *Prerequisite: None.*
- *Skills Advisory: Eligibility for English 1.*

This course addresses the distinction between biological sex and the social construction of gender. Issues of gender inequality in societal institutions and social structures will be the focus of critical analyses of the consequences of the sex/gender system in the United States. Understanding the impact of the matrix of domination (based on race, ethnicity, and class) on gender is a central issue. A global perspective, which examines and compares the place of gender in nations of the North with those of the South, is also emphasized.

SOCIOL 34, Racial and Ethnic Relations in American Society **3 units**

Transfer: UC, CSU

IGETC AREA 4 (Social & Behavioral Sciences)

- *Prerequisite: None.*
- *Skills Advisory: Eligibility for English 1.*

This course satisfies the Santa Monica College Global Citizenship requirement.

This course involves the critical examination of patterns, practices, and relations among racial and ethnic groups in the United States. Particular attention will be given to problems of ongoing discrimination, prejudice, assimilation and cultural pluralism, and power differences between groups. Interconnections between race, ethnicity, social class, gender, and other systems of inequality will be emphasized. Social movements organized within and among racial and ethnic groups that address institutional inequalities in this society will be analyzed.

SOCIOL 88A, Independent Studies in Sociology **1 unit**

Transfer: CSU
Please see "Independent Studies" section.

SOCIOL 88B, Independent Studies in Sociology **2 units**

Transfer: CSU
Please see "Independent Studies" section.

Spanish

Additional hours to be arranged in the Modern Language Lab for Elementary Spanish.

Some of the courses listed in this section are accompanied by Supplemental Instruction. Supplemental Instruction (SI) is an academic assistance program that utilizes free peer-assisted weekly study sessions to help students learn the most difficult course content. For more information, please see the SI website at www.smc.edu/si.

SPAN 1, Elementary Spanish I **5 units**

Transfer: UC, CSU
C-ID: SPAN 100.
IGETC Foreign Language (required for UC only)
• *Prerequisite: None.*

Students may receive credit for either Spanish 1 & 2 sequence, or Spanish 11, but not both.

This course, using the Natural Approach, introduces the students to basic vocabulary and fundamental sentence structure in the present and preterit tenses. Basic aural and reading comprehension is developed and students hold simple conversations and write short compositions about present and past actions. This course is taught in Spanish, except in the case of linguistic difficulty as determined by the professor. Language lab is required.

SPAN 2, Elementary Spanish II **5 units**

Transfer: UC, CSU
C-ID: SPAN 110.
IGETC AREA 3B (Humanities), Foreign Language (required for UC only)
• *Prerequisite: Spanish 1*.*

Students may receive credit for either Spanish 1 & 2 sequence, or Spanish 11, but not both.

This course is a continuation of Spanish 1. Using the Natural Approach, this course stresses basic vocabulary and fundamental sentence structure in the past and future indicative tenses and the subjunctive mood. The course develops basic aural and reading comprehension. Students hold simple conversations and write short compositions in the past and future. They read simple texts and further study

Spanish and Latin American culture. Language laboratory is required.

**The prerequisite for this course is comparable to two years of high school Spanish.*

SPAN 3, Intermediate Spanish I **5 units**

Transfer: UC, CSU
C-ID: SPAN 200.
IGETC AREA 3B (Humanities)
• *Prerequisite: Spanish 2*.*

Students may receive credit for either Spanish 3 or Spanish 12, but not both.

This course is taught through thematic units in Spanish on a variety of current and cultural topics. In addition, this course reviews Spanish grammar, emphasizing idiomatic constructions and expressions. Emphasis is also placed on the use of learned structures in compositions. Reading skills and basic literary analysis are developed using selected readings from Spanish and Spanish-American literature.

**The prerequisite for this course is comparable to three years of high school Spanish.*

SPAN 4, Intermediate Spanish II **5 units**

Transfer: UC, CSU
C-ID: SPAN 210.
IGETC AREA 3B (Humanities)
• *Prerequisite: Spanish 3*.*

This course is taught through thematic units in Spanish on a variety of current and cultural topics. This course provides an in-depth review of Spanish grammar, idioms, and vocabulary. Developing a more sophisticated and structurally advanced writing style is also emphasized. Reading comprehension and literary analysis are developed using selected readings from Spanish and Spanish-American literature. This course is taught in Spanish except in cases of linguistic difficulty as determined by the professor.

**The prerequisite for this course is comparable to four years of high school Spanish.*

SPAN 8, Conversational Spanish **2 units**

Transfer: UC, CSU
• *Prerequisite: Spanish 2*.*

This course provides an opportunity to acquire intermediate fluency in spoken Spanish with emphasis on natural, colloquial usage. This course is taught in Spanish except in cases of linguistic difficulty as determined by the professor.

**The prerequisite for this course is comparable to three years of high school Spanish.*

SPAN 9, The Civilization of Spain **3 units**

Transfer: UC, CSU
IGETC AREA 3B (Humanities)
• *Prerequisite: Spanish 3.*

This course traces the development of Spanish culture from prehistoric times to the present. It explores the geography, history, literature, music, art, and the customs of the major cultural and linguistic regions of Spain. The course will be taught in Spanish except in cases of linguistic difficulty as determined by the professor.

SPAN 11, Spanish for Native Speakers I **5 units**

Transfer: UC, CSU
IGETC AREA Foreign Language (required for UC only)
• *Prerequisite: None.*

Students may receive credit for either Spanish 1 & 2 sequence, or Spanish 11, but not both.

This course is designed for students who speak Spanish at home and who need to improve their vocabulary and knowledge of the grammar as well as their spelling, writing skills, and reading comprehension. Formal aspects of the language will be stressed including: spelling, punctuation, and accentuation. In addition, there is a focus on formal writing and the writing process. Reading, reading strategies and comprehension as well as basic literary analysis are stressed. This course is taught in Spanish except in cases of linguistic difficulty as determined by the professor. Language lab is required.

SPAN 12, Spanish for Native Speakers 2 **5 units**

Transfer: UC, CSU

C-ID: SPAN 220.

IGETC AREA 3B (Humanities), Foreign Language (required for UC only)

- *Prerequisite: Spanish 11*.*

Students may receive credit for either Spanish 3 or Spanish 12, but not both.

This is the second semester of an accelerated sequence of two designed for students whose native language is Spanish but have had little academic training in the language. In addition to a review of tenses from Spanish 11 and continued study of accent rules and orthography, the second semester will focus on advanced grammar concepts including subjunctive tenses (simple and compound) and the sequence of tenses. Composition skills taught in Spanish 11 will be strengthened in Spanish 12. There will also be a focus on reading strategies and vocabulary building. This course is taught in Spanish except in cases of linguistic difficulty as determined by the professor.

**The prerequisite for this course is comparable to three years of high school Spanish.*

SPAN 20, Latin American Civilization **3 units**

Transfer: UC, CSU

IGETC AREA 3B, OR 4 (Humanities, Social & Behavioral Sciences)

- *Skills Advisory: Spanish 3 level skills.*

This course introduces students to the development of Latin American culture from pre-Columbian times to the present. It will explore history, literature, art music, geography, archeology, culture, customs and traditions of Spanish America. This course will be taught in Spanish.

SPAN 31A, Practical Spanish **3 units**

Transfer: CSU

- *Prerequisite: None.*

This course is designed for the student with no previous knowledge of Spanish and develops basic conversation skills in the present tense. It emphasizes the use of set-up phrases, idiomatic expressions, correct pronunciation, development of useful thematic vocabulary and the ability to communicate at a practical and basic level. This course is taught in Spanish except in cases of linguistic difficulty as determined by the professor.

SPAN 31S, Practical Spanish **1 unit**

Transfer: CSU

- *Prerequisite: None.*

This course is designed to develop effective communication skills. It emphasizes the use of set-up phrases, idiomatic

expressions, correct pronunciation and intonation, development of useful vocabulary, and ability to communicate without hesitation in a given situation. This course does not fulfill the language requirement. It is only offered concurrently with Spanish 1 in 6-week sessions and the Study Abroad Program. This course is taught in Spanish except in cases of linguistic difficulty as determined by the professor.

Speech

Please see listing under "Communication Studies."

Student Activities

STUGOV 81, Introduction to Student Government

1 unit

Transfer: CSU

- *Prerequisite: None.*

This course explores the fundamental principles and practical applications of student government organizations. Students will have an opportunity to reflect upon and assess their leadership and communication styles and subsequently, create a personal development plan conducive to becoming more effective student leaders. Topics in the course will include, but are not limited to, parliamentary procedure, guidelines governing the function of the Associated Students (e.g., Constitution and Bylaws, Title 5 and Education Code), and ethical decision-making. Strategies for academic success will be embedded throughout the course.

Theatre Arts

Pre-enrollment auditions are required for Theatre Arts production classes (Th Art 43, 44, 45, 50, 52 and 54). Theatre Arts majors enroll in Theatre Arts 5. All sections require attendance of theatre productions for which students must purchase tickets.

TH ART 2, Introduction to the Theatre **3 units**

Transfer: UC, CSU

C-ID: THTR 111.

IGETC AREA 3A (Arts)

- *Prerequisite: None.*

This course provides the student with a general knowledge of theatre and its influence on modern society. Historical growth, basic vocabulary, skills, and crafts of theatre are emphasized. Attendance of theatre productions for which students must purchase tickets is required.

Theatre Arts majors enroll in Theatre Arts 5.

TH ART 5, History of World Theatre **3 units**

Transfer: UC, CSU

C-ID: THTR 113.

IGETC AREA 3A (Arts)

- *Prerequisite: None.*
- *Skills Advisory: Eligibility for English 1.*

This course covers the history of theatre and dramatic literature with emphasis on the relationship of the theatre to cultural development. Attendance of theatre productions for which students must purchase tickets is required.

TH ART 10A, Voice Development for the Stage 3 units

Transfer: UC, CSU

- *Prerequisite: None.*

The study of speech designed to develop the skills for performing classic and modern dramatic literature is stressed in this course. Attendance of theatre productions for which students must purchase tickets is required.

TH ART 10B, Advanced Voice Development for the Stage 3 units

Transfer: UC, CSU

- *Prerequisite: Theatre Arts 10A.*

This course covers more advanced study of stage speech designed to help develop the skills for performing classic and modern dramatic literature. This is also a continuation for the non-actor in the dynamic approach to vocal and health and affective communication. Attendance of theatre productions for which students must purchase tickets is required.

TH ART 13, Stage Dialects 2 units

Transfer: CSU

- *Advisory: Theatre Arts 10A.*

Specific training is given in the performance of the regional American and foreign dialects most often used in the theatre.

TH ART 15, Stage Movement for the Actor 1 unit

Transfer: UC, CSU

- *Prerequisite: None.*

Formerly Theatre Arts 15A.

This course develops the student's awareness of the body as an instrument of communication in stage acting. Attendance of theatre productions for which students must purchase tickets is required.

TH ART 16, Advanced Stage Movement For The Actor 2 units

Transfer: CSU

- *Prerequisite: None.*

Formerly Theatre Arts 15B.

This course enhances the student's awareness of the physical self as a means of communication in Theatre. Techniques from Flamenco movement are incorporated to help the student develop coordination, poise, rhythm and passion that are inherent in this art form. Adopting this technique, students perform scenes and monologues from various genres including works of Shakespeare, Lorca and Oscar Wilde. Attendance at theatre productions for which students must purchase tickets is required.

TH ART 18A, Technical Theatre Production Workshop 1 unit

Transfer: UC, CSU

C-ID: THTR 192.

- *Prerequisite: None.*

This course is intended for students interested in actual training and experience, either in the various backstage areas of technical support or by being involved as a member of a production crew for a Santa Monica College Theatre Arts Dept. production.

TH ART 18B, Technical Theatre Production Workshop 2 units

Transfer: UC, CSU

C-ID: THTR 192.

- *Prerequisite: None.*

This course is intended for students interested in actual training and experience, either in the various backstage areas of technical support or by being involved as a member of a production crew for a Santa Monica College Theatre Arts Dept. production.

TH ART 18C, Technical Theatre Production Workshop 3 units

Transfer: UC, CSU

C-ID: THTR 192.

- *Prerequisite: None.*

This course is intended for students interested in actual training and experience, either in the various backstage areas of technical support or by being involved as a member of a production crew for a Santa Monica College Theatre Arts Dept. production.

TH ART 20, Stagecraft 3 units

Transfer: UC, CSU

C-ID: THTR 171.

- *Prerequisite: None.*

This course covers the construction, painting and rigging of stage scenery, properties and effects. It includes the use of construction tools, shop safety and procedures, and an introduction to scenic design. Attendance of theater productions for which students must purchase tickets is required.

TH ART 21, Scenic Painting Techniques 3 units

Transfer: UC, CSU

- *Skills Advisory: Theatre Arts 20.*

The course concerns the study and execution of scenic painting techniques. It provides study and training in the use of materials and techniques for painting scenery for theatre, film and television. Attendance at theatre productions for which students must purchase tickets is required. A materials fee will be charged for student supplies.

TH ART 22, Stage Lighting 3 units

Transfer: UC, CSU

C-ID: THTR 173.

- *Prerequisite: None.*

This course introduces the student to the theory and practice of modern stage lighting. The properties and control of light are covered, including electricity, color, instrumentation and design. Attendance of theater productions for which students must purchase tickets is required.

TH ART 25, Introduction to Theatrical Sound 3 units

Transfer: UC, CSU

- *Prerequisite: None.*

This course introduces the student to the theory and practice of modern theatrical sound design. The role of sound in theatre is explored with a focus on its unique contribution in supporting the dramatic narrative. Lecture and laboratory instruction will cover basic sound theory and acoustics, use of contemporary audio equipment, tools, and techniques, and crafting a sound design from concept

to completion. Attendance of theatre productions for which students must purchase tickets is required.

TH ART 26, Introduction to Stage Costuming 3 units

Transfer: UC, CSU

C-ID: THTR 174.

- *Prerequisite: None.*

Costume construction theory and practice are the essential elements in this course, including a survey of the history of costume. Attendance of theatre productions for which students must purchase tickets is required.

TH ART 28A, Beginning Stage Make-Up 1 unit

Transfer: UC, CSU

- *Prerequisite: None.*

A study of the art and application of stage make-up with practice in the techniques of creating facial characterizations and alterations for specific roles and types. Attendance of theatre productions for which students must purchase tickets is required.

TH ART 28B, 3D and Theatrical Styles Make-Up 1 unit

Transfer: UC (pending), CSU

- *Prerequisite: None.*

This course is a study and practice of specific techniques in the art of 3D and theatrical styles make-up with emphasis on developing knowledge and skill in its design and practical application.

Attendance of theatre productions for which students must purchase tickets is required.

TH ART 31, Introduction to Stage Management 3 units

Transfer: UC, CSU

- *Prerequisite: None.*

This course explores the artistic and organizational techniques and practices required of stage managers. Topics covered include production preparation, safety, rehearsal documentation styles, execution and calling of shows. The course also addresses the necessary collaborations and relationships with other artists and staff.

TH ART 32, Scenic Design 2 units

Transfer: UC (pending), CSU

- *Prerequisite: None.*

This course introduces the student to the principles of scenic design as applied to the Theatre. Creative skills such as sketching, drawing, and research will be explored, and techniques in drafting by hand will be covered along with a brief introduction to Vectorworks and Sketchup.

Attendance of theatre productions for which students must purchase tickets is required.

TH ART 34, Advanced Costume Design 2 units

Transfer: UC, CSU

- *Prerequisite: Theatre Arts 26.*

Theories, principles and practices of costume design for the stage are covered in this course. Attendance of theatre productions for which students must purchase tickets is required. *See counselor for transfer credit limitations.

TH ART 38A, Beginning Stage Direction 3 units

Transfer: UC, CSU

- *Prerequisite: Theatre Arts 41.*

Basic techniques of play analysis and stage directorial techniques are explored in this course. Attendance of theatre productions for which students must purchase tickets is required.

TH ART 38B, Advanced Stage Direction 3 units

Transfer: UC, CSU

- *Prerequisite: Theatre Arts 38A.*

This course is a further study and practice of specific techniques in the art of stage make-up with emphasis on developing knowledge and skill in its design and practical application. Attendance of theatre productions for which students must purchase tickets is required.

TH ART 41, Acting I 3 units

Transfer: UC, CSU

C-ID: THTR 151.

- *Prerequisite: None.*

This course introduces the beginning student to the art of stage acting. The major emphasis is on actor development and growth through character portrayal, scene performance, and written work. Attendance of theatre productions for which students must purchase tickets is required.

TH ART 42, Acting II 3 units

Transfer: UC, CSU

C-ID: THTR 152.

- *Skills Advisory: Theatre Arts 41.*

This course provides continued and intensive development of acting skills. Focus on realistic acting techniques, rehearsal skills, character building, scene study and performance, and play analysis. Attendance of theatre productions for which students must purchase tickets is required.

TH ART 43, Acting, Historical Styles – Early 3 units

Transfer: UC, CSU

- *Prerequisite: None.*

- *Skills Advisory: Theatre Arts 41 or 42.*

This course contains development of acting skills and explores several non-realistic acting styles through performance of prepared scenes and culminating in a final public performance. Styles covered in class may include Greek (Tragedy and Comedy), Roman Comedy, Medieval, Shakespearean (Tragedy and Comedy) and Comedy of Manners. Attendance of theatre productions for which the students must purchase tickets is required.

TH ART 44, Acting, Historical Styles – Late 3 units

Transfer: *CSU

- *Prerequisite: None.*

- *Skills Advisory: Theatre Arts 41 or 42.*

This course contains development of acting skills and explores several non-realistic acting styles through performance of prepared scenes and culminating in a final public performance. Styles covered in class may include Commedia dell'Arte, Farce, Melodrama, Ibsen, Chekhov, Brecht, Theatre of the Absurd (Beckett, Pinter, Ionesco, Genet, Stoppard, Sheppard). Attendance of theatre productions for which the students must purchase tickets is required.

TH ART 45, Musical Theatre Workshop 3 units

Transfer: UC, CSU
C-ID: THTR 191.

- *Prerequisite: Audition required.*

This course introduces the student to theories, techniques and practices of musical theatre performance. The class concentrates on preparing and performing scenes from musical theatre, culminating in a public performance. Attendance at theatre productions for which students must purchase tickets is required.

Theatre Arts 45 is the same course as Music 45. Students may earn credit for one, but not both.

TH ART 46, Comedy Acting Workshop 3 units

Transfer: UC, CSU

- *Prerequisite: None.*
- *Advisory: Theatre Arts 41.*

This course explores comedic acting skills through the application and development of progressive comedy techniques. Through acquired knowledge of the genre and analysis of plays, this course fosters the development of acting techniques for theatrical venues. Students will rehearse and prepare material and learn about the processes of comedy acting for the live theatre. Attendance of theatre productions for which students must purchase tickets is required.

TH ART 50, Advanced Production – Full Play 3 units

Transfer: UC, CSU
C-ID: THTR 191.

- *Prerequisite: Pre-enrollment auditions required.*

This course includes rehearsals and performances of a full-length theatrical production in the Main Stage. Emphasis is placed on cooperative blending of all theatrical activities into a finished public performance.

TH ART 51, Stage Make-Up Workshop 0.5 unit

Transfer: UC, CSU

- *Prerequisite: None.*

Concurrent Enrollment in Theatre Arts 50 or 52.

A study of the art and practical application of stage make-up for those performing in Theatre Arts Department productions.

TH ART 52, Advanced Production – Musical Theatre 5 units

Transfer: UC, CSU

- *Prerequisite: Pre-enrollment auditions required.*

This course includes rehearsals and performances of the department's musical theatre production. Dance laboratory is included.

TH ART 53, Production for the Younger Audience 3 units

Transfer: CSU
C-ID: THTR 191.

- *Prerequisite: Pre-enrollment audition required.*
Co-enrollment in Theatre Arts 51 is required.

This course includes rehearsals and performances of a theatrical production geared specifically for a younger audience. It explores acting skills through the application and development of progressive performance techniques. Emphasis is placed on cooperative blending of all theatre activities into a finished public performance. Students

will rehearse and prepare material and learn about the processes of performing for the live theatre. Attendance of theatre productions for which students must purchase tickets is required.

Theatre Arts 53 is the same as Music 46. Students may earn credit for one but not both.

TH ART 54, Advanced Production – Summer Theatre 6 units

Transfer: UC, CSU

- *Prerequisite: Pre-enrollment auditions required.*

This course includes rehearsals and performances of the department's summer theatre productions, including related production activities.

TH ART 55, Advanced Production – Small Theatre Venue 3 units

Transfer: CSU

C-ID: THTR 191.

- *Prerequisite: Pre-enrollment audition required.*

This course involves rehearsals and performances of a theatrical production designed for a smaller venue. Such a production includes, but is not limited to any of the following: Non-traditional themes, newer or lesser-known playwrights, student or faculty-written works, multi-cultural works and multiple theatrical genres. The course applies advanced acting skills in the selected genre to the development and performance of a production. Emphasis is placed on cooperative blending of all theatre activities into a finished public performance. Students rehearse and learn about the processes of performing for the live theatre. Attendance of theatre productions for which students must purchase tickets is required.

TH ART 56, Advanced Audition Workshop 4 units

Transfer: CSU

- *Prerequisite: Pre-enrollment audition required.*

On-site exploration and application of progressive audition techniques for students hoping to advance to higher levels of education and performance goals. Students will prepare audition material and learn about the processes of auditioning at the more advanced levels of theatre and the education system. Many will proceed to audition for prestigious schools and contests. Attendance of theatre productions for which the students must purchase tickets is required.

TH ART 88A, Independent Studies in Theatre Arts 1 unit

Transfer: CSU

Please see "Independent Studies" section.

TH ART 88B, Independent Studies in Theater Arts 2 units

Transfer: CSU

Please see "Independent Studies" section.

Turkish

Additional hours to be arranged in the Modern Language Lab for Turkish 1.

TURKSH 1, Elementary Turkish 1**5 units**

Transfer: UC, CSU

- *Prerequisite: None.*

Elementary Turkish uses a communicative approach to introduce basic vocabulary and the fundamentals of modern Turkish grammar, sentence structure, and pronunciation. Language skills in listening comprehension, reading, writing, and speaking are taught by using audio-visual tools and interactive activities. The course prepares students to hold simple conversations and write short dialogues and compositions in modern Turkish. Aspects of Turkish culture, history and geography are covered as well. Students will be introduced to traditional Turkish arts such as the art of water marbling, Karag'z shadow play and Orta Oyunu Theater. This course is conducted primarily in Turkish except in cases of linguistic difficulty. Language lab is required.

Urban Studies

URBAN 8, Introduction to Urban Studies**3 units**

Transfer: UC, CSU

IGETC AREA 4 (Social and Behavioral Sciences)

- *Prerequisite: None.*

This course introduces students to the multi-disciplinary study of urban society and space. Cities are examined both as complex social-economic groupings of people, and as material landscapes of buildings, pathways, and public and private spaces. Attention is paid to what cities are and have been (the evolving urban experience of the past and present) as well as to ever-changing ideas about what cities should be (urban planning and design for the future). While the overall perspective of the course is global, its primary focus is on the cities of North America and, in particular, the Los Angeles metropolitan area. This emphasis is evident both in the classroom and in field trips or other assignments that ask students to apply classroom ideas to our local urban setting.

Urban Studies 8 is the same course as Geography 8. Students may earn credit for one, but not both.

Women's Studies

WOM ST 10, Introduction to Women's Studies**3 units**

Transfer: UC, CSU

IGETC AREA 4 (Social & Behavioral Sciences)

- *Prerequisite: None.*

Introduction to the study of women and men in society, covering comparative issues of social, political, and economic position in the workplace, family, cultural institutions; historical basis of women's subordination; the female experience; the male experience; relations between women and men; intersections of ethnicity/race, class and gender; violence against women; cultural images of women and men; social roles of women and men and movements for social change.

WOM ST 20, Women, Feminisms, and Social Movements: A Global Approach**3 units**

Transfer: UC, CSU

IGETC AREA 4D (Social & Behavioral Sciences)

- *Prerequisite: None.*

This course introduces and utilizes feminist theories to examine salient issues that women confront around the world and the variant movements of resistance and social change spurred by these issues. The course includes an examination of both historical and contemporary women's activism around the globe, including feminist movements that focus on political, economic, cultural, and environmental change, as well as an assessment of the impact of globalization on women's lives. Particular attention may be given to Third World women, poor women, women of color, immigrant women, incarcerated women, women and war, women with disabilities, and queer people.

WOM ST 30, Women and Popular Culture**3 units**

Transfer: UC, CSU

- *Prerequisite: None.*

Utilizing feminist theories and feminist analysis, this course examines the relationship between women and popular culture. Students will examine historical and contemporary images and roles of women in popular culture (including print, film, television, music, advertising, and consumerism) and situate these images and roles within changing socio-historical, political, and economic contexts. This course utilizes the lens of feminist theories to critically analyze how popular culture constructs gender and how these constructions become cultural norms and values. The intersection of gender, race, class, and sexual orientation is examined throughout the course and the relationship between popular culture and feminist movements is emphasized.

WOM ST 80, Women's Studies Leadership Practicum**3 units**

Transfer: CSU

- *Prerequisite: Women's Studies 10 or 20 or 30.*
- *Advisory: Eligibility for English 1.*

Formerly Women's Studies 8.

This course is an application of feminist theories and women's studies pedagogy to leadership development. Utilizing the methods and tools found in the interdisciplinary field of women's studies, the course is rooted in theoretically-based and thoughtfully-organized individual and collective action through leadership training, group activities, service-learning, and networking opportunities both on and off campus. By emphasizing the importance of praxis--connecting theory and practice--students develop an understanding of a broad range of women's experiences across class, racial/ethnic, and international lines. Students initiate, design, and implement a "field project" of their choosing that demonstrates their understanding of feminist theories and praxis. Specific course content fluctuates based on individual and group interests, available resources, and community needs.

WOM ST 88A, Independent Studies in Women's Studies**1 unit**

Transfer: CSU

Please see "Independent Studies" section.

WOM ST 88B, Independent Studies in Women's Studies**2 units**

Transfer: CSU

Please see "Independent Studies" section.

WOM ST 90A, Internship in Women's Studies 1 unit

Transfer: CSU

- *Prerequisite: None.*

Students must arrange an approved internship prior to enrolling in this class. F-1 students must see the Immigration Coordinator at the International Education Center before enrolling.

The Internship Program is designed to provide the student with "real life" experience in a public or private organization concerned with issues related to women. Students will work with the organization, agency, business, or institution (public or non-profit) to develop their understanding of and ability to apply the principles of women's studies.

WOM ST 90B, Internship in Women's Studies 2 units

Transfer: CSU

- *Prerequisite: None.*

Students must arrange an approved internship prior to enrolling in this class. F-1 students must see the Immigration Coordinator at the International Education Center before enrolling.

The Internship Program is designed to provide the student with "real life" experience in a public or private organization concerned with issues related to women. Students will work with the organization, agency, business, or institution (public or non-profit) to develop their understanding of and ability to apply the principles of women's studies.

Zoology

Please see listing under "Biological Sciences."

EMERITUS COLLEGE

The following classes are intended for older adults. The classes are noncredit and free, and they do NOT carry academic credit or assign grades. Please call (310) 434-4306 for information.

Arts & Crafts**ART E00, Survey of the Arts for Older Adults**

This course provides older adult students with in-depth knowledge about the chronological, social, and historical development of art and/or architecture. Older adults investigate the history of art and view selections from different time periods, regions, or developmental stages, and compare and contrast artwork from different periods with their peers.

ART E01, Contemporary Art for Older Adults

This course provides older adults with a working knowledge of current trends in the art world, as well as a greater understanding of how art influences all of our lives. Older adults will develop an appreciation for contemporary art, and will compare and contrast specific pieces of art.

ART E03, Art and Architecture for Older Adults

This course helps older adults learn about the structures around them and how to appreciate historical buildings and monuments located locally and around the world. Older adult students learn and discuss with their peers the historical periods and styles of world architecture, as well as the development of modern trends.

ART E06, Artistic Expression through Gardening for Older Adults

This course helps older adults express themselves by creating indoor and/or outdoor gardens and learn how gardening can lead to a more creative and healthier lifestyle. Older adults discuss maintenance issues, cost factors, and artistic expression in gardening, as well as the history of gardening styles in public and private spaces. Older adults learn about making environmentally sensitive gardening choices, as well as ways to create long-lasting environments that make their lives more pleasant and fulfilling.

ART E11, Creative Art for Older Adults

This course assists older adults in incorporating the process of creating art into their lives in unusual and inspiring ways. The course provides an atmosphere where older adult students can use their hands, minds, and eyes to express themselves in their art, as well as interact with their peers, unlock their creativity through guided visualization in art and relaxation techniques, and improve their sense of well being by holistically blending mind, body, and spirit through art.

ART E15, Drawing for Older Adults

This course provides a supportive atmosphere for older adults—from beginners to more advanced students—to explore and experiment with self expression through drawing. Older adult students learn drawing skills, elements of design, composition, and creativity, as well as

drawing techniques for representative or stylistic effect. Students also learn to interpret the perceived “real world” in a two-dimensional field, and to improve their observation and hand-eye coordination. The course focuses on the processes by which one makes art, exposes students to different approaches, and challenges students to think about what they are doing or trying to do.

ART E16, Life Drawing Studio for Older Adults

This course provides an opportunity for older adults to learn to see the human form and draw the anatomy of the human figure. This supportive class explores basic anatomy, movement, and skeletal structure of the figure using live models. Through demonstrations, class exercises, individual instruction, and guidance, beginning students learn basic life drawing skills; while more advanced students sharpen their skills in capturing the physical attributes of the model and expressiveness of the pose.

ART E19, Painting for Older Adults

This course enhances older adults’ artistic creativity and painting skills through positive motivation and instruction in oils and acrylics techniques that may use the palette knife for effect. Older adults learn how to select supplies and equipment, and basic elements of composition. Painting projects, demonstrations, group critiques, and discussions are used to explore two-dimensional artwork.

ART E20, Drawing and Painting for Older Adults

This course provides older adults with a supportive environment for instruction in drawing and painting. Older adults—from beginners to more advanced students—maintain or improve their drawing and/or painting skills in a constructive environment, and learn about space, line, value, and color in a workshop atmosphere.

ART E21, Painting/Drawing, Oil and Acrylic for Older Adults This course enhances older adults’ artistic creativity and painting skills through positive motivation and instruction in oils and acrylic techniques. Older adults learn basic painting techniques, the elements of composition, and how to select and use materials. Painting projects, demonstrations, and group critiques are used to explore two-dimensional artwork.

ART E22, Watercolor for Older Adults

This course allows older adults who have never used watercolors to acquire a strong foundation in watercolor techniques, and provides those students with some watercolor experience with a strongly supportive peer group in which to paint. Older adult students learn watercolor techniques and methods, as well as washes, brush strokes, color, value, and composition.

ART E23, Calligraphy for Older Adults

This course assists older adults in acquiring basic skills in calligraphy to use for personal growth, self expression, or for family and volunteer projects. Older adult students learn the tools and equipment needed to write the beginning calligraphy alphabet, as well as fundamental calligraphy techniques.

ART E24, Calligraphy II for Older Adults

This course expands older adults’ knowledge of calligraphy and everyday calligraphic forms to use for personal growth, self expression, or for family and volunteer projects. Older adult students learn the tools and equipment needed to write the calligraphy alphabet, as well as fundamental calligraphy techniques, lettering styles, and display methods.

ART E25, Calligraphy III for Older Adults

This course strengthens older adults’ sense of creativity, competence, motor skills, and sense of belonging to a group through the advanced study of calligraphy. Older adult students learn and/or improve their knowledge of complex lettering styles and letterforms and create professional-quality projects for personal expression.

ART E30, Watercolor Studio for Older Adults

This course allows older adults who have never used watercolors to acquire a strong foundation in watercolor techniques, and provides those students with some watercolor experience with a strongly supportive peer group in which to paint. Older adult students learn watercolor techniques and methods, as well as washes, textures, color, value, and composition.

ART E55, Sculpture for Older Adults

This course introduces older adults to three-dimensional design principles and elements, and helps them create expressive works of sculpture. Older adults learn to appreciate sculpture as a medium of self expression, and use a combination of materials and techniques to create a sculptural form and develop an expressive idea using a variety of materials, including items from everyday life. Students are required to purchase or bring their own materials.

ART E80, Jewelry Making for Older Adults

This course provides older adults with an opportunity to create pieces of jewelry and learn an assortment of different techniques involved in creating jewelry. Students also learn about the wide range of materials available for making jewelry. Older adults make bracelets, earrings, and necklaces using techniques such as wire wrapping and bending, macramé, pearl knotting, crimping, and bead-weaving. Each week students learn a new technique and make a piece of jewelry using that technique.

Business, Estate Planning, & Finance

BUS E00, Planning for Retirement, Healthcare and Estate Planning for Older Adults

This course assists older adults in managing their finances, understanding their investments, and planning the distribution of their estates. The course covers basic investment strategies, financial planning, the law, trust and estate conservation, as well as the use of trusts and other techniques to minimize taxes and facilitate asset transfers.

Employment for Seniors – Computer Training

OCC E00, Introduction to Computers for Older Adults

This course assists older adults in accessing the world of computers and technology to improve interaction with their families and to promote self-expression. Older adults learn about personal computers, improve technical vocabulary, review typing and mouse skills, and learn how to use special function computer keys.

OCC E01, Word Processing for Older Adults

This course assists older adults in acquiring the skills necessary to use word processing software. Older adults learn to create, save, and retrieve documents and gain consumer and personal management skills. The pace of the course is designed to meet the needs of older adults who are at least somewhat familiar with computer technology.

OCC E10, Using Data Files for Older Adults

This course helps older adults understand how to use tables and data files to create mailing labels, financial records for taxes, or work in a volunteer or paid job requiring these and other skills. The course is offered at a pace that helps older adults maximize their knowledge retention and continue learning.

OCC E20, Using the Internet Safely for Older Adults

This course assists older adult consumers in using the Internet safely. Older adults learn Internet terminology and build their knowledge of spam, spyware, virus protections, computer software, alternatives to accessing information, and personal security issues, such as identity theft. The course primarily focuses on ways in which older adults can protect themselves in a new technological environment and use the Internet to find valid information. Older adults also examine and discuss their computer needs and expectations for using the Internet. Some course sections may also discuss computer maintenance and troubleshooting issues.

PHOTO E00, Digital Photography I for Older Adults

This course assists older adults in selecting and using digital cameras. Older adults are encouraged to take photographs, keep photographic records, use photography as a means of self-expression, and share their vision and photographic experiences with others.

PHOTO E10, Digital Photography II for Older Adults

This course assists older adults in choosing and using modern technology for keeping photographic records of their family, friends, and travels, and helps them use photography as a means of self-expression. Older adults share their photographic visions with peers and other family members. Some emphasis is placed on documenting students' family histories.

Home Arts & Maintenance

CT E00, The Fix-It Class – Repair Almost Anything for Older Adults

This course teaches older adults about household tools, how to make minor or more complex home repairs or maintenance, and how to evaluate proposed repair processes when hiring and paying a repair person. Older adults learn to repair leaky faucets, fix minor electrical problems, hang almost everything, caulk a bathtub, and so forth. The course is intended to help older adults be knowledgeable, confident, and prudent about home repairs and maintenance.

HME EC E01, Sewing Laboratory for Older Adults

This course helps older adults learn sewing-based skills, including how to construct clothing, engage in creative sewing projects, use patterns, engage in patchwork or machine quilting, and/or other specialized sewing techniques. Older adults learn economical sewing techniques and socialize with their peers in a supportive and creative environment.

HME EC E52, Restaurant Critic – Dining Wisely: Healthy Eating Choices for Older Adults

This course helps older adults learn how to prepare healthy foods for a small household and how to make cost-effective choices in planning a menu. Older adults work together to create a cookbook or recipe book, share food and recipes with their peers, learn restaurant terms, learn to write a standard recipe, and discuss and write about memories involving food. The course also engages older adults in discussions about food fads and provides factual information on food additives, vitamins, safe food storage, health precautions, and basic nutritional information.

HME EC E70, Needlecrafts I for Older Adults

This course provides a supportive, stimulating, and creative learning environment to allow older adults to create inexpensive knitting projects. Older adults learn and practice knitting and crocheting techniques, including the selection of materials, planning projects, and finishing methods.

HME EC E71, Needlecrafts II for Older Adults

This course provides a supportive, stimulating, and creative environment for older adults to create handmade needlework or other fiber arts projects using an assortment of techniques, including, knitting, crochet, needlepoint, weaving, and macramé. Beginning students will learn basic skills; students with some experience in needlework will learn more advanced techniques.

Literature & Writing

BILING E01, Literature in Spanish for Older Adults

This course helps older adults explore a variety of Spanish literature in the language in which it was written and stimulates their appreciation of the vast literary output of Spain, Latin America, and other Spanish speaking countries. Students may also explore the history and culture of

the country in which a literary work was produced, and participate in class discussions in Spanish.

BILING E02, French Literature for Older Adults

This course helps older adults understand and appreciate the vast literary output of France and other French speaking countries, and introduces them to French culture and people. Older adults explore a variety of French literature in the language in which it was written and engage in stimulating discussions with their peers.

BILING E03, Literature from Around the World for Older Adults

This course helps older adults experience and appreciate the vast literary output from non-English speaking countries and discuss that literature with peers in the language in which it was written. Course sections may focus on literature from any non-English speaking country, as long as there are sufficient numbers of interested students and faculty who can teach in that language are available.

ENGL E20, Literature: The Novel for Older Adults

This course, which examines the world's greatest literary works (such as James Joyce's *Ulysses*) is designed to help older adults learn about trends in writing in different societies. Older adults learn about the uniqueness of each age of literature and each author under scrutiny. Various literary themes and the concerns of authors in different historical periods serve as a basis for discussion so that older adults may compare and contrast these topics with current events, modern cultures and sub-cultures, and societal structures and mores. Older adults will also discuss with their peers how these works relate to their own life experiences and accumulated knowledge.

ENGL E22, Short Story for Older Adults

This course is designed for older adults who want to explore literature, such as the works of Milton, Austen, Hawthorne, and T.S. Eliot, as well as short stories from Latin America, America, Europe, and Africa, and discuss it with their peers. This course allows older adults to experience a wide range of classic and contemporary literature in a social setting and relate that content and emotion to their own personal life experiences.

ENGL E23, Shakespeare for Older Adults

This course allows older adults to study and discuss selected plays by William Shakespeare and his contemporaries with their peers. Older adults will experience or re-experience the emotional and dramatic content in Shakespeare's classic works in light of their current life situations, and discuss the concerns of the human heart from the height of passion to the depths of despair.

ENGL E24, Bible as Literature for Older Adults

This course introduces older adults to a wide variety of interpretations of biblical literature, encouraging students to offer interpretations based on their own knowledge and life experiences.

ENGL E25, Literature: The American Novel for Older Adults

This course assists older adults in analyzing American novels, discussing them with their peers, and renewing their

appreciation for this unique form of literature. Older adults learn background and trends in writing in different time periods and regions of America, and discuss how these works relate to their own life experiences and accumulated knowledge.

ENGL E27, Poetry for Older Adults

This course helps older adults explore a wide variety of poetry; in particular, poetry as adventure, confirmation, and renewal. Older adults also employ selected poems as a means to examine their life experiences and discuss these experiences with their peers. This course is designed to refresh older adults' enjoyment and increase their appreciation of poetry as a means of expression, and helps older adults explore poetry in relation to other types of literature, in particular in its use of language and imagery.

ENGL E28, Plays and Playwrights for Older Adults

This course engages older adults in the rich theatrical material available in the Los Angeles area by exposing them to an assortment of American, English, and other theatrical works, playwrights, and screenwriters. Older adults will learn about plots, characters, and the many interpretations of plays through comparative analysis, will relate plays to their life experiences, and will engage in respectful discussions with their peers.

ENGL E29, Greek Literature for Older Adults

This course introduces older adults to the world of ancient Greek drama and fosters discussion among peers. Older adults will study Greek theater from a literary viewpoint and learn about plots, characters, and different interpretations through comparative analysis. Older adults will learn how ancient Greek drama is interpreted in modern media and will relate it to their own lives and experiences.

ENGL E30, Creative Writing for Older Adults

This course nurtures, revitalizes, and stimulates older adult writers who may already be producing or thinking about producing written material. The course is intended to discover, encourage, and develop untapped writing talent in older adults. It also allows older adults to develop and refine their writing and self expression skills, discuss their writing with peers, and comment on their peers' writing in a respectful and constructive manner. The course is also a forum for older adults to share their creative voices with peers.

ENGL E33, Autobiography for Older Adults

This course helps older adults review and integrate the experiences that have shaped their lives, share memories with peers, and create a record of events for themselves and their families. Through this class older adults achieve a sense of pride in their accomplishments, improve their writing abilities, and express themselves in writing that can be shared with family, friends, and the public if desired.

ENGL E37, Writing Seminar for Older Adults

This course develops and refines older adults' writing skills in an informal round-table atmosphere through classroom readings and critiques of their own and classmates' writing. The course is intended to discover, encourage, and develop untapped writing talent in older adults and nurture, revitalize, and stimulate older adult writers who may already be expressing themselves through the written word. The

course is also a forum for older adults to share their creative voices with peers.

Health & Conditioning

HEALTH E21, Yoga Health and Safety, Principles and Practices for Older Adults

This course focuses on the history, principles and practices of yoga. Designed to promote health and safety among older adults, it focuses on yoga principles and practices to enhance the health of older adults through improved flexibility, balance, range of motion, strength, lung capacity and circulation. Some course sections may focus on specific yogic methods. Some sections may include therapeutic applications of yoga to address specific health challenges for older adults. Students will be encouraged to share their physical, mental and emotional challenges in a supportive environment specifically for older adults. These challenges will then be addressed within the coursework. Students will create a Daily Personal Yoga Health Plan integrating their own personal therapeutic yoga applications. Students will be encouraged to practice daily, creating opportunities to rehabilitate challenges. The course is designed to help students to use yoga methods such as postures, breathing techniques, meditation, and visualization to enhance their confidence, health, and overall feeling of well being.

HEALTH E22, Chi Gong Principles and Practices for Older Adults

This course is designed to enhance the health and safety of older adults through use of the principles and techniques of Chi Gong. Based on Chinese philosophy and healing concepts, the course will include the history, theory and practice of Chi Gong, including both the Wu School and Yang Style. Included are such Chinese philosophies as Yin and Yang, the Eight Directions, and Five Element theory and their applications to healthy living. Students work at their own level to improve tone, strength, flexibility and balance. Lectures, films, texts and discussions will explore the theory and practice of this traditional Chinese method for health and healing. Students will analyze which strategies best meet their needs, and create an individual health plan integrating Chi Gong techniques into their daily lives.

HEALTH E23, T'ai Chi Principles and Practices for Older Adults

This course offers an overview of the history, philosophy and techniques of the Chinese energy balancing health practice T'ai Chi Ch'uan. With a focus on enhancing healthy aging for older adults, the course offers strategies for improving balance and posture; increasing flexibility and endurance, reducing stress, and promoting relaxation and mindfulness. The course shows older adults how to avoid injury, conserve energy and use the body in an ergonomic manner. Students will create a personal health plan integrating T'ai Chi principles and techniques into their daily lives.

HEALTH E24, Physical Fitness Principles and Practices for Older Adults

This course focuses on physical fitness and conditioning principles to help older adults maintain or improve their health, safety and independence. It covers basic prin-

ciples of anatomy and fitness, showing older adults how to improve their cardiovascular health, muscle strength, endurance, flexibility, posture and balance. Principles of good nutrition also will be covered. Students explore movement strategies that are particularly helpful for older adults. Included are proper concepts and methods for warm-ups, stretching, low-impact aerobic activity, cool-downs, strength training and balance work. Students learn how to avoid falls and safely accommodate physical conditions and challenges. Students create a customized personal fitness and conditioning plan to suit their individual needs and physical challenges.

HEALTH E25, Strength and Stamina Training Principles and Practices for Older Adults

This course focuses on how strength training and stamina building strategies help to promote health, safety and vitality in older adults. Principles of basic anatomy and physiology are covered. The course explores how older adults can maintain or improve their health and stamina through strength training using free weights, resistance devices and fitness techniques. The course emphasizes safe ways to start and maintain a program to increase strength, improve stamina and sustain bone density. Principles of good nutrition and stress management are included. Students create a personal fitness and strength training plan based on their individual needs and physical challenges.

HEALTH E30, Personal Safety – Fall Prevention for Older Adults

This course is designed to help students avoid falls, which are the most frequent cause of serious injury in older adults. The course focuses on how, when and where falls frequently occur; how to maintain mobility, and how to improve and recover one's balance. Students will create an individualized activity program to improve balance, endurance, strength and flexibility.

HEALTH E34, Stress Reduction through Yoga for Older Adults

This course offers older adults a range of strategies and techniques to reduce and manage stress in their lives. It includes stress reduction methods such as positive thinking, breathing exercises, meditation, humor, diet and exercise. Learn how to practice asanas: standing, seated, supine (lying down), and/or inverted poses together with focus and conscious breathing to improve your overall health and well-being. Induce relaxation and support your energetic and emotional balance. The course also helps students establish peer support groups to help maintain their stress reduction skills.

HEALTH E38, Joint Health and Mobility for Older Adults

This course helps older adults with chronic joint pain or mobility problems to attain and maintain physical strength, mobility and flexibility. Older adults with arthritis and/or other minor physical limitations will learn about the function of joints in the human body and techniques to move effectively without joint stress. Students create an individual plan for mobility and physical fitness.

HEALTH E63, Body Conditioning After a Stroke for Older Adults

This course helps older adults who have experienced a stroke to maintain or improve their mobility and physical endurance through an individualized program offered in a group setting. Topics include how to cope with the effects of stroke and how to restore the student's natural energy and flexibility, including strategies to regain and maintain physical fitness. Participation allows older adults to be included in their community and maintain their independence, and it also helps them to self-advocate and engage in activities that benefit their health.

Human Development

HUMDEV E06, Enjoy Life – Understanding Our Mind, Body & Brain for Older Adults

This course familiarizes older adults with the aging process, including physiological, psychological, and sociological aspects. Older adults become more comfortable with changes in themselves and others over time, and learn to celebrate the benefits of a longer life. Older adults also learn new coping strategies and explore issues facing adults of all ages, including conflicts, stereotypes, age bias, loss, and change.

HUMDEV E15, Senior Studies for Older Adults

This seminar provides a supportive environment for older adults to discuss with their peers a variety of topics of interest to seniors, including the study of aging, public policy related to older adults, philosophy, literature, music and musicals, or religion. The course is designed to allow older adults to relate any of these topics to their life experiences and socialize with others in similar stages of life. Specific topics may vary from semester to semester and may include the history of comedy, the great American songbook, etc.

HUMDEV E17, Senior Seminar for Older Adults

This seminar provides a supportive atmosphere for discussions about a variety of topics of interest to older adults. Topics may include philosophy, music, laughter as good medicine, legislation that affects older adults, and others. For example, in a seminar focused on philosophy, older adults might explore philosophical sources and connections between ideas, values, and concepts that are relevant to older adults' life experiences. In a seminar focused on musical performance, older adults might be exposed to different performers, composers, and musicians and engage in stimulating discussions about music, performers' lives, the ways in which music and art can enrich one's life, and so forth. Regardless of the specific topic, this seminar provides a space for older adults to socialize with their peers and validate their life experiences while gaining exposure to mentally stimulating content.

HUMDEV E21, Life Experience for Older Adults

This course assists older adults in evaluating their lives and starting a positive life review process. Older adults will look back at their accomplishments, failures, and satisfying life experiences, and will share these memories with their peers in a constructive and supportive atmosphere.

HUMDEV E24, Bereavement Support for Older Adults

This course helps older adults in the resolution of grief and toward a more positive view or reaction to the death of a loved one. The course provides older adults with a variety of alternative methods of dealing with loss in a small group setting. Older adults share their grief with others, receive encouragement and moral support, and learn about the natural grieving process, as well as how to heal and rebuild their lives.

HUMDEV E25, Dealing with Hearing Impairment for Older Adults

This course helps older adults with hearing impairments improve their communication skills and adaptive techniques and increase their levels of sociability and self-confidence. Older adults learn the study of speech, lip reading, body language, and auditory clues.

HUMDEV E27, Enhancing Memory Skills for Older Adults

This course assists older adults in minimizing anxiety when memory behavior patterns change. The ultimate goal of the class is to stimulate thinking and to exercise the brain. Older adults learn the latest information on the causes, symptoms, and treatments of memory loss in older adults, as well as practice skills to enhance memory retention and retrieval.

HUMDEV E28, Communication After a Stroke for Older Adults (Computer Based)

This course helps older adults with aphasia reconstruct their language comprehension and communication skills and gain greater self-confidence in their ability to understand and communicate with others. The course introduces older adult aphasics to a computer software program that can help them improve their language and reading comprehension, memory, verbal reasoning skills, and attention span. The course allows older adults to experiment with language comprehension software before purchasing it for use at home.

HUMDEV E50, Communication After a Stroke for Older Adults

This course increases, enhances, and maintains the daily speech function of older adults who have experienced psychological or speech impairments due to brain damage. Older adults learn to cope with the effects on speech of stroke or other brain damage, get support from those in similar situations, and help from professionals after hospital therapy is over.

Human Relations

PSYCH E33, Living as a Single Person for Older Adults

This course assists older adults who are facing a change in their lifestyle because they are now single. Older adults explore topics such as dealing with isolation, ageism, depression, eating patterns, and social interactions. The course assists older adults in making the necessary transi-

tions and adjustments to live a happy and successful life as an older single person.

Music Performance

MUSIC E00, Concert Band for Older Adults

This course reinforces older adults' love of performing music in public and provides a structure for them to express themselves and participate in a performance group during their later years. Older adults also experience the physical benefits of deep breathing and head, eye, and ear coordination that result from playing a musical instrument. The course mentally stimulates older adults to concentrate on a wide variety of musical score, memorize parts, and problem solve in front of an audience.

MUSIC E03, "The Merits" – Vocal Ensemble for Older Adults

This course provides older adults with an opportunity to express themselves musically, perform in community events, gain a sense of belonging to a creative peer group, and continue their life experiences in music. The course also helps older adults improve their vocal performance skills, rehearsal techniques, and general knowledge of music.

MUSIC E04, Voice Training for Older Adults

This course provides a venue for older adults to discover or strengthen their musical creativity, personal vocal skill, performance standards, and self-confidence. Older adults will learn to sing and build or renew a repertoire of songs while strengthening their ability to express themselves vocally.

MUSIC E06, Gospel Community Chorus for Older Adults

This course introduces older adults to gospel music, literature, and singing techniques with the goal of performing throughout the community. The course provides a venue for older adult students to express themselves through gospel music, gain knowledge of the history of gospel music, build or rebuild their self-confidence as soloists or group performers, and interact with a group of creative peers.

MUSIC E10, Spanish Folk Singing for Older Adults

This course provides older adults (primarily those with a working knowledge of the Spanish language) with an opportunity to practice and perform music in Spanish from around the world. Older adult students are introduced to Spanish music, literature, and singing techniques from their own and other cultures, and encouraged to express themselves through Spanish folk songs.

MUSIC E34, Lyric Chorus for Older Adults

This course provides older adults with a musical growth experience, opportunities to enhance their self-esteem and sense of belonging, and a way to express their creativity and interact with peers. Older adults rehearse and perform three-part arrangements of classics, Broadway hits, and ragtime music, and learn to be positive contributors to the sound, appearance, and artistic personality of a performing

chorus while keeping their concentration and lung capacity at a peak.

MUSIC E51, Piano and Theory for Older Adults

This course is intended to enhance the enjoyment of creating music among older adults and enhance their ability to express themselves through music. Older adults learn to play piano music at their own level and pace, and participate in group discussions with peers. Older adults also learn musical skills and concepts and develop their ability to play piano music.

Music Appreciation

MUSIC E30: Opera Appreciation for Older Adults

This course helps older adults understand and appreciate opera as a music form and provides opportunities for socialization through shared interests. Older adults learn about the creative aspects, history, and development of opera. The course includes operatic experiences, live productions, and other opportunities for mental stimulation and peer group socialization.

MUSIC E32, Music Appreciation for Older Adults

This course helps older adults understand how music can enhance their life experiences by learning more about music styles, composition, performance, and historical periods. Older adults listen to and discuss musical selections and composers' biographies; expand their musical knowledge and understanding of different types of music, including orchestral, jazz, indigenous, and film music; and explore different aspects of musical performance by comparing different performers' recordings of the same piece.

MUSIC E33, Art and Music of Western Culture for Older Adults

This course provides older adults with a telescopic look at the development of music in western culture. Older adults learn how musical experiences can continue to enhance and stimulate their lives, and explore the origins and development of western music from major historical periods. Older adults listen to and discuss western music with their peers, learn about musical style, form, and composers, and share ways in which western music has influenced their lives.

Political Science

POL SC E00, Current Events for Older Adults

This course increases older adults' understanding of local, national, and international current affairs and how it affects their lives as well as the world around them. Older adults consider the political, economic, and social movements that determine domestic and foreign policies in the United States and around the world.

Theater Arts

TH ART E01, Principles of Acting for Older Adults

This course allows older adults to explore the human condition in historical and contemporary dramatic literature, fairy tales, myths, and legends, satire, and parody. By learning how to analyze and interpret these texts, older adults will be able to craft the characters that inhabit these stories. Through the transformative process of creativity, older adults improve their acting skills and participate in a public performance, which builds self-confidence and self esteem.

TH ART E02, Theater Arts Appreciation for Older Adults

This course expands older adults' knowledge of play production methods and the history of the theater as it relates to current society and the life experiences of older adults. Older adults will learn about theater production from the viewpoint of the director, actor, critic, and viewer.

TH ART E05, Reader's Theater for Older Adults

This course increases older adults' knowledge of how to present dramatic literature and allows them to express themselves by reading scenes, poetry, illuminating literature, or speeches in front of an audience. Older adults also interpret plays and practice acting skills with their peers. This course expands older adults' experience with dramatic literature without requiring perfect recall from memory.

TH ART E30, Dramatic Interpretation Through Movies for Older Adults

This course helps older adults explore the art, technology, language and appreciation of film from the point of view of the older adult. Older adult students analyze the fundamentals of film production as a means of encouraging mental stimulation and peer socialization. Film examples are shown in class for comparison and discussion.