

CSU General Education – Solano CC First Semester Suggested Course Descriptions

AREA A – English Language Communication and Critical Thinking

A1

Comm 001 – introduction to Public Speaking (3 units)

Instruction and practice in the various forms of public address and the techniques for orally presenting ideas clearly, concisely, and coherently. Students are required to outline speeches frequently and/or complete a detailed manuscript of the speech; to read a college-level public speaking textbook and apply its principles in the preparation of their speeches; to critically analyze public speeches of various types.

A2

Engl 001 – College Composition (4 units)

A writing course, which emphasizes critical reading, expository and argumentative writing, and mastery of library research techniques. It includes instruction and practice in critical thinking, in analytical reading and evaluation of written work, and in the methods of clearly communicating and supporting ideas in organized, coherent essays (min 750 words each). Students are required to write an average of 7500 formal words, including a research paper, based on essays, literature read in class, personal experience, and college-level research.

LR 010 – Information Skills for College and beyond (1 unit) – Required course with English 001

Introduction to information literacy skills necessary for academic, career, and personal life success in the digital age. Psychological, sociological, and physiological implications of information on daily life, education, work, and social relationships will be explored. Critical skills helpful for managing information needs in college, career, and lifelong learning will be emphasized.

AREA B – Scientific Inquiry and Quantitative Reasoning

B1 – Physical Science

Chem 001 – General Chemistry 1 (5 units)

Prerequisite: CHEM 160 with a minimum grade of C (recommended for students with no previous chemistry) or CHEM 010 with a minimum grade of C (recommended for students who have had an introductory level chemistry course) or a score of 3, 4, or 5 on the Chemistry AP exam; and MATH 104 with a minimum grade of C or eligibility for MATH 002 by a Multiple Measures Evaluation.

Presents principles of general chemistry for students in science, engineering, medical and related professions. Topics include atomic structure and theory, the periodic table, bonding, gas laws, stoichiometry, solutions, ionization, thermochemistry and equilibrium. This course requires significant math skills and previous knowledge of fundamental chemistry concepts. Field trips and online work may be required.

Chem 010 – intermediate Chemistry (4 units)

Prerequisite: Recommendation of MATH 104 based on a Multiple Measures Evaluation.

A general chemistry course often required for nursing students and for students majoring in physical therapy, occupational therapy, industrial technology and home economics, it emphasizes the chemistry of inorganic compounds and covers selected topics such as atomic theory, bonding, equations, gas laws, solutions, acid-base theory, and oxidation-reduction. Field trip may be required. Online homework may be required. NOTE: Not open for credit to students who have completed CHEM 001.

Chem 012 – Chemistry for the Health Sciences (5 units)

An overview of general, organic chemistry, and biochemistry for majors in nursing and other allied health occupations. Topics covered include chemical bonding, chemical equations, gas laws, solutions, acid-base theory, oxidation-reduction, functional groups and properties of organic compounds, and the structure and function of carbohydrates, lipids, proteins, and nucleic acids. These topics are discussed in the context of cellular metabolism and human health. This course is not a prerequisite for any chemistry course. Field trip may be required. Online homework may be required. NOTE: Not open for credit to students who have completed CHEM 011. Formerly CHEM 051.

B4 - Mathematics

Math 002 – Algebra for Calculus (College Algebra) (3 units)

Prerequisite: MATH 104 (HS Algebra II) with a minimum grade of C or a Multiple Measures Evaluation.

Develops the skills and introduces the concepts necessary for further study in mathematics, and facilitate the application of those skills and concepts to other fields. Included is a review of elementary set algebra; the algebra of functions; the real and complex numbers as a field; algebraic, exponential, and logarithmic functions; equations and inequalities of these functions; solution of linear systems, matrix algebra, and introduction to sequences and series.

Math 011 – Elementary Statistics (4 units)

An introduction to elementary probability and statistics including the basic rules of probability, probability distributions, descriptive statistics, hypothesis testing, estimation, correlation and regression analysis using data from a variety of disciplines and appropriate technology. Assignments may be given that require completion in the Math Activities Center.

Math 311 - Elementary Statistics Support (0.5 units) Corequisite: MATH 011

A review of the core prerequisite skills, competencies, and concepts needed in statistics. Intended for students who are concurrently enrolled in MATH 011, Elementary Statistics. Topics include concepts from arithmetic, pre-algebra, elementary and intermediate algebra, and descriptive statistics that are needed to understand the basics of college-level statistics. Concepts are taught through the context of descriptive data analysis. Additional emphasis is placed on solving and graphing linear equations and modeling with linear functions. Enrollment in the course may occur as a result of the recommendation of a counselor or math instructor based on a Multiple Measures Evaluation. This course is Pass/No Pass only.

Math 012 – Mathematical Ideas (3 units)

An introduction to the diversity of mathematics through the examination of ideas from logic, sets, the numeration systems, and other topics from contemporary mathematics. The emphasis is on problem solving.

Math 312 – Mathematical Ideas Support (.5 units) Corequisite: MATH 012.

A review of the core prerequisite skills, competencies, and concepts needed in Mathematical Ideas. A companion course to Mathematical Ideas to provide needed support for student success. This includes just in time remediation, math study skills, and affective learning. Enrollment in the course may occur as a result of the recommendation of a counselor or math instructor based on a Multiple Measures Evaluation. This course is Pass/No Pass only.

Math 020 – Analytic geometry and Calculus 1 (5 units)

Prerequisite: A minimum grade of C in MATH 002 and MATH 051 (HS Pre-Calculus); or MATH 004

First of the three-semester sequence in Analytic Geometry and Calculus for students majoring in mathematics, engineering, and most physical sciences, is the study of the differential and integral calculus of functions of one variable.

Topics covered are limits, continuity, differentiation of algebraic and transcendental functions, applications of the derivative, definite and indefinite integrals, fundamental theorem of calculus, and applications of the definite integral.

AREA C – Arts and Humanities

C1 - Arts

Art 001 – Art History (3 units)

Explores the history of art in the Western World from the Paleolithic era through the Middle Ages. Focuses on the interrelation of art and culture, with a comparative study of select works of non-Western art. Field trip may be required.

Art 002 – Art History (3 units)

Explores the history of Western Art through a critical analysis of Renaissance art through Post-Modern Art. Students will examine the connection between art and culture, and evaluate the historic, religious, and political influences on the artistic choices of diverse men and women of art history from the 15th century to today. Field trip may be required.

Art 010 – Art Appreciation (3 units)

An introductory examination of the cultural, universal, and personal factors influencing the making and viewing of art. Including a study of style, composition, materials and techniques used in the creation of art from disparate cultures and periods of history. Field trip may be required.

Art 012 – Inside/Outside: The Cultures and Identities of Diverse Visual Artists in the U.S. (3 units)

An art survey course that examines and assesses three or more groups of culturally diverse artists, art organizations and support structures. Explores art issues related to social and historical trends in the U.S., including ways in which art may reflect and shape American attitudes towards identity (ethnic, gender, sexual, intersectional), culture and discrimination. Field trip may be required.

Art 030C – Ceramics: History, Culture, Practice (3 units)

Introduction to a broad spectrum of ceramic art from diverse cultures including Western/European Art, Asian/Middle Eastern Art, Meso-American Art and African Art within a technical, historical, and cultural context. Students will utilize creative problem solving skills to produce contemporary, original works of art that reinterpret the traditions presented in the course content.

Cina 010 – Introduction to Cinema Studies (3 units)

Introduction to the close analysis of film texts. Examines the broad questions of form and content, esthetics and meaning, and history and culture. Explores the diverse possibilities presented by the cinematic art form through an examination of a wide variety of productions, national cinemas, and film movements. Topics include modes of production, narrative and non-narrative forms, visual design, editing, sound, genre, ideology and critical analysis. Written exams, film screenings, and film discussion are required.

Cina 011 – American Cultures in Film (3 units)

A film studies approach to understanding ethnicity, culture, race, discrimination, gender, class and pluralism in America. Includes screenings of films by and/or about Asian Americans, African-Americans, European Americans, Hispanic Americans, Native Americans, and selected readings, written critical analysis and discussion.

Danc 004 – Dance Appreciation (3 units)

Explores the development of dance in Western Europe and the United States from ancient times to the present. Explores dance as an emerging art form from the Renaissance to the 20th century. Emphasizes the contemporary dance heritage of the United States. Field Trip may be requested.

Musc 005 – Music Fundamentals (3 units)

Introduces the elements of music including notation, rhythm and meter, diatonic scales and triads, key signatures, melody, chords and aural skills. Traces the historical and cultural progress of music through the development of musical symbols and their application. No previous musical study is required.

Musc 008 – Music Appreciation (3 units)

An introductory examination of how composers and songwriters apply the various elements of music to heighten the expressive impact of a composition. Aspects of melody, rhythm, harmony, tone, and structure are studied through focused listening of works from the Renaissance to contemporary styles of avant-garde and popular music. This course requires no previous musical study.

Musc 013 – Multicultural Music in America (3 units)

A survey of multicultural music in America; listening to and analyzing examples of multicultural music in relation to social, technical, and historical trends, including the role of music in influencing American attitudes toward ethnic identity, stereotyping, and racial prejudice. This course also examines the uniquely American style resulting from the interaction among musicians of many cultural, racial, national, and ethnic backgrounds.

Phot 035 – Art of Photography (3 units)

Introduction to photography and visual literacy through a survey of historical and contemporary movements and photographers. Students will complete photo assignments related to course content to deepen their understanding of the concepts. Camera equipment is not provided by the college. Students registering for this class may use any film or digital camera to complete assignments. Access to a film or digital camera is required to complete some assignments. Any camera is acceptable. Field trips may be required.

Thea 001 – Acting 1 (3 units)

Prepares a student to apply basic acting theory to performance and develops the skills of interpretation of drama through acting. Special attention is paid to skills for performance: memorization, stage movement, vocal production, and interpretation of text.

Thea 006 - Introduction to Theatre (3 units)

Focuses on the relationship of theatre to various cultures throughout history, and on the contributions of significant individual artists. This course introduces students to elements of the production process including playwriting, acting, directing, design, and criticism. Students will also survey different periods, styles and genres of theatre through play reading, discussion, films and viewing and critiquing live theatre, including required attendance of theatre productions. This is an audience oriented, nonperformance course. Field trips will be required.

AREA D – Social Sciences

Anth 002 –Cultural Anthropology (3 units)

An introduction to the anthropological study of human culture; covering anthropological concepts such as fieldwork, holism, the comparative method, cultural relativism, the nature of culture and cultural identity, and research ethics. Topics will include: subsistence patterns, political organizations including social inequality, kinship and family, communication, supernatural belief systems, gender and sexuality, art, culture change including globalization, and applied anthropology.

Anth 007 – Archaeology (3 units)

An introduction to the study of the concepts, theories, methods, and data of archaeology that contribute to our knowledge of human cultures. The course includes a discussion of the nature of scientific inquiry; the history and interdisciplinary nature of archaeological research; dating techniques; methods of survey, excavation, analysis, and interpretation; cultural resource management; professional ethics; and selected cultural sequences. Several key archaeological sites will be covered and will serve to illustrate central archaeological theories and methods.

CDFS 038 – Child Growth and Development (3 units)

Examine the major physical, cognitive, and psychosocial developmental milestones (typical and atypical) and theories from conception through adolescence. Emphasis is placed on the interaction between maturational processes and environmental factors. Current research and methodologies are examined. Child observations and analysis are included. Field trip may be required.

CDFS 040 – Family Relationships (3 units)

A study of sociological and psychological factors influencing relationships, particularly dating, family, and marital relationships, as well as alternative lifestyles in contemporary society, including factors that affect communication and interpersonal interactions within relationships.

CDFS 050 – Child, Family, and Community (3 units)

An examination of the developing child in a societal context focusing on the interrelationships of family, school and community, including historical and socio-cultural influences. Socialization and identity development are emphasized, as are teacher strategies for building respectful, reciprocal relationships that support and empower children and families.

CDFS 053 – Teaching in a Diverse Society (3 units)

Examination of teaching young children in a diverse society in an effort to support optimal identity development, competency, and inclusion. Theoretical and practical implications of oppression and privilege will be explored as they apply to children, families, programs, classrooms, and teaching. Various classroom strategies will emphasize culturally and linguistically appropriate anti-bias approaches. Course includes self-examination and reflection on issues related to social identity, stereotypes and bias, social and educational access, media, and schooling.

CDFS 070 – Lifespan Human Development (3 units)

A survey of human development throughout the life cycle, including physical, social, intellectual, and emotional development from conception to death. Includes direct observation.

Comm 012 – Intercultural Communication (3 units)

An introduction to the challenges and promises of intercultural communication with application to American culture, subcultures, and different cultures of the world. Specific focus will be development of the ability to acknowledge and understand the unique voice of people from the African, Asian, Latino/a, Middle Eastern, and Pacific Island cultures as well as co-cultures within the United States. Through lectures, readings, films, group discussions, written and oral assignments, students will learn the skills necessary to achieve positive outcomes when communicating with others that are perceived as different.

Coun 015 – Valuing Diversity (3 units)

An examination of the complexities of interpersonal relationships among several cultures in our society including self-concept, values, beliefs, communication and lifestyle. This course will invite exploration of individual cultural perception in order to promote respect for differences and to develop a sense of community. Examination requirements include written essays that demonstrate critical thinking.

Econ 001 – Principles of Economics (Macroeconomics) (3 units)

An introductory course focusing on aggregate economic analysis. Topics include: market systems, aggregate measures of economic activity, macroeconomic equilibrium, money and financial institutions, monetary and fiscal policy, international economics, and economic growth. Online work may be required.

Econ 002 – Principles of Economics (Microeconomics) (3 units)

An introductory course focusing on choices of individual economic decision-makers. Topics include scarcity, specialization and trade, market equilibrium, elasticity, production and cost theory, market structures, factor markets, and market failure. Online work may be required.

Geog 004 – World Geography (3 units)

Survey of the world's culture regions and nations as interpreted by geographers, including physical, cultural, and economic features. Emphasis on spatial and historical influences on population growth, transportation networks, and natural environments. Identification and importance of the significant features of regions. A field trip may be required with the course. However, if a student cannot attend the trip, there will be an optional research paper assignment.

Hist 002 – World History to 1500 (3 units)

An integrated study of world civilizations from their beginnings to 1500. Emphasis will be placed on a critical assessment of the cultural achievements, belief systems and economic, political and social structures of the major global civilizations. We will also study the interconnections that linked these cultures into an integrated world system during the early modern period.

Hist 003 – World History Since 1500 (3 units)

An integrated study of modern global history since 1500. Emphasis will be placed on the emergence of an interconnected world system in the modern era and the impact of that system on societies and cultures around the globe. The ongoing tension between tradition and modernity 'shaped by wars, revolutions, and economic transformations' forms the central theme of the course.

Hist 004 – History of Western Civilization to 1500 (3 units)

Survey of the history of the development of western culture and civilization to the Reformation. Emphasis will be on analyzing the major social, political, economic and cultural forces which have shaped European societies.

Hist 017 – History of the United States of 1877 (3 units)

Survey of the history of the United States from its Native American, African and European origins through the period of the Civil War and Reconstruction. Emphasis is placed on analyzing the major economic, social, political, and cultural events, movements and trends that shaped historical developments, examining cause and effect relationships and interpreting primary and secondary sources.

Hist 018 – History of the United States from 1865 (3 units)

Survey of the history of the United States from Reconstruction to the present. Examines the major economic, social, political, and cultural events that shaped the United States' and their impact on American life. This course also examines the United States' increasing involvement in world affairs. Special emphasis is placed on analyzing the cause and effect relationships in U.S. history and on the historical interpretation of events and trends in U.S. history.

Hist 037 – Women in American History (3 units)

A multi-cultural survey of American history from precolonial times to the present examining the impact of ethnic and cultural diversity, class, and gender on the lives of women.

HS 001 (formerly HS 051) - Introduction to Human Services (3 units)

An overview of the history and purpose of human services. Students will familiarize themselves with skills needed to provide culturally responsive services to diverse consumer populations in areas such as social welfare, mental health, substance use, rehabilitation, and child, adult and elder care. Political and economic aspects inclusive of roles and functions of local human services agencies systems will be examined.

Plsc 001 - Introduction to American Government and Politics (3 units)

Introduction to the theory and practice of American politics, this course includes an analysis of the operation of national, state, and local governments, as well as the U.S. and California Constitutions.

Plsc 002 - Introduction to Comparative Government (3 units)

The political institutions of selected industrialized and developing nations are examined comparatively. Emphasis is on the formation of political institutions; government; political culture; ethnic groups; citizen and interest participation; political parties; and modern bureaucratic public policy roles. This course includes a 10-12 page research paper.

Plsc 003 – Introduction to International Politics (3 units)

An introductory study of the international system from the U.S. perspective focusing on such concepts as the nation state and nationalism, power, war and military strategy, international law and approaches to international peace and stability.

Psyc 001 – Introduction to Psychology (3 units)

Introduction to psychology as the scientific study of human behavior and mental processes. Major topics include history of field, scientific method, sensation and perception, brain and nervous system, states of consciousness, development, learning, memory, cognition, motivation, emotion, personality, tests and measurements, health psychology, behavior disorders and treatment, and social psychology

Psyc 002 – Biological Psychology (3 units)

A focus on the relationship of genetic and physiological factors to behavior. Topics include how the brain and nervous system influence behavior including perception, sexual behaviors, sleep, drug use, disorders, memory and learning. Current theories and research in biological psychology are reviewed.

Psyc 004 – Research Methods in Behavioral Science (3 units)

Introduction to basic research methods in the behavioral sciences. Assumptions and goals of science are considered as well as several specific research techniques or designs. The ethics of research with human and animal subjects will be covered.

Psyc 005 – Abnormal Psychology (3 units)

An overview of psychological disorders surveying selected disorders in the current version of the Diagnostic and Statistical Manual (DSM), including mood disorders (such as depression, bi-polar disorder), anxiety disorders, psychotic disorders (such as schizophrenia), personality disorders, eating disorders and others. The course discusses historical and scientific approaches to explain and to treat these disorders from bio-psycho-social perspectives.

Psyc 012 – Gender (3 units)

An examination of the psychological, sociological, biological, cognitive, and cultural theories and research of sex and gender. Analysis of the effects of gender expectations and practices on individual development, health, relationships, and the workplace. Includes agents of socialization, impact of economic and political change, social construction of sexuality and gender identities, and intersectional aspects of gender. Open to all students.

Psyc 020 – Personal and Social Behavior (3 units)

Study of human behavior in the process of adjusting to life's changes. The emphasis is on normal and abnormal adaptations to the various challenges which life presents. Issues related to the major schools of thought and their views towards a healthy personality, effective and ineffective behavior, behavioral disorders, psychotherapy, relationships, careers and personal growth will be examined.

Psyc 030 – Introduction to Social Psychology (3 units)

Explore individual human behavior in the context of the social environment. The impact of the social situation, other individuals and social groups on behavior will be examined. Main topics include prosocial behavior, social identity, aggression, prejudice, interpersonal relationships, attitudes, gender roles, cultural influences, group phenomena, attitude formation and social cognition.

Psyc 034 – Human Sexual Behavior (3 units)

Objective exploration of the various issues pertaining to human sexual behavior from the perspective of the behavioral and social sciences. Some of the major topics to be discussed include history of sexuality, attitudes, behaviors, life styles, psychosexual development, role and identity, sexual dysfunctions, therapy and treatment.

SJS 002 – Introduction to Race and Ethnicity (3 units)

Analysis of race, ethnicity, and racism. Examines the cultural, political, and economic practices and institutions that support or challenge racism, racial and ethnic inequalities, as well as historical and contemporary patterns of interaction between various racial and ethnic groups.

SJS 030 – Peace, Nonviolence and Conflict Resolution (3 units)

Introduction to the study of peace, nonviolence and peaceful conflict resolution. The course is designed for students interested in the fundamental issues of peace, justice, and conflict resolution in our society. It offers students an opportunity to reflect on the peace writings of both past and contemporary authors and is an examination of justice, peace, and peacemakers in the U.S. and worldwide.

Soc 001 – Introduction to Sociology (3 units)

Introduction to sociology with analysis of a variety of concepts and theories in relation to culture, socialization, social inequality, race relations, sex roles, deviance, and the distribution of political and economic power

Soc 002 – Social Issues and Problems (3 units)

Analysis of selected social problems, including race relations, urban decay, suburban sprawl, crime, population problems, environment, and changes in the familial, economic and political institutions.

Soc 045 – Sociology of Religion (3 units)

An introduction to the sociological study of religion in the United States, with an emphasis on the origins of religion, theoretical perspectives on religion, religious conflict, and the future of religion. This course also covers the absence of religion and alternative forms of religion.

Soc 075 (3 units)

Examines the nature, position, functions, and growing importance of sports in contemporary industrial society. Particular emphasis is given to the relationships between structure, variety, and extent of sports activity and other sectors of society, such as schools, churches, and the work place.