PLUMBING (PLM)

PLM 101  PLUMBING APPRENTICESHIP: SAFETY/OSHA/TOOLS/HERITAGE/SERVICE  3.0 UNITS
Total Lecture: 24 hours, Total Lab: 75 hours
Prerequisite: Per California Code of Regulations, this course is limited to students admitted to the Plumbing & Pipefitting Apprenticeship Program. First-year course of the Plumber & Pipefitter Apprenticeship program. Provides students with a working knowledge of plumbing industry materials and standards. Learn use and care of pipe trade tools, practice safety and heritage of the United Association. Also provides OSHA 30 certification. Grade only.

PLM 102  PLUMBING APPRENTICESHIP: MATHEMATICS/SCIENCE FOR THE PLUMBING TRADE  3.0 UNITS
Total Lecture: 27 hours, Total Lab: 75 hours
Prerequisite: Per California Code of Regulations, this course is limited to students admitted to the Plumbing & Pipefitting Apprenticeship Program. First-year course of the Plumber & Pipefitter Apprenticeship program. This course provides students with a working knowledge of mathematics and science as it applies to the plumbing industry. Grade only.

PLM 103  PLUMBING APPRENTICESHIP: PLUMBING CODE/ WATER SUPPLY SYSTEMS  3.0 UNITS
Total Lecture: 24 hours, Total Lab: 75 hours
Prerequisite: Per California Code of Regulations, this course is limited to students admitted to the Plumbing & Pipefitting Apprenticeship Program. Second-year course of the Plumber & Pipefitter Apprenticeship program. This course provides students with a working knowledge of Plumbing Code I and Water Supply Systems. Grade only.

PLM 104  PLUMBING APPRENTICESHIP: DRAWING I FOR THE PLUMBING TRADE  3.0 UNITS
Total Lecture: 27 hours, Total Lab: 75 hours
Prerequisite: Per California Code of Regulations, this course is limited to students admitted to the Plumbing & Pipefitting Apprenticeship Program. Second-year course of the Plumber & Pipefitter Apprenticeship program. This course provides students with a working knowledge of plumbing and piping layouts, drainage systems, piping and fixture supports as it applies to mechanical drawings. Grade only.

PLM 105  PLUMBING APPRENTICESHIP: DRAWING II / DRAINAGE  3.0 UNITS
Total Lecture: 24 hours, Total Lab: 75 hours
Prerequisite: Per California Code of Regulations, this course is limited to students admitted to the Plumbing & Pipefitting Apprenticeship Program. Third-year course of the Plumber & Pipefitter Apprenticeship program. This course provides students with a working knowledge of Technical Drawings, Isometric Drawings and the creation of Building Plans as it applies to the Plumbing trade. Grade only.

PLM 106  PLUMBING APPRENTICESHIP: WELDING/ OXY-ACETYLENE TRAINING  3.0 UNITS
Total Lecture: 24 hours, Total Lab: 75 hours
Prerequisite: Per California Code of Regulations, this course is limited to students admitted to the Plumbing & Pipefitting Apprenticeship Program. Third-year course of the Plumber & Pipefitter Apprenticeship program. This course provides students with a working knowledge of welding principles, as it relates to MetalARC welding, Gas ARC welding, TIG Welding, MIG Welding and Oxygen/Acetylene burning and welding. Grade only.

PLM 107  PLUMBING APPRENTICESHIP: HYDRONIC & STEAM SYSTEMS/PIPE FITTING & SERVICE  3.0 UNITS
Total Lecture: 24 hours, Total Lab: 75 hours
Prerequisite: Per California Code of Regulations, this course is limited to students admitted to the Plumbing & Pipefitting Apprenticeship Program. Fourth-year course of the Plumber & Pipefitter Apprenticeship program. This course provides students with a working knowledge of Layout, Cut, and Fit for Hydronic Water Piping and Steam fitting systems. Grade only.

PLM 108  PLUMBING APPRENTICESHIP: MEDICAL GAS/ RIGGING/SIGNAL PERSON  3.0 UNITS
Total Lecture: 24 hours, Total Lab: 78 hours
Prerequisite: Per California Code of Regulations, this course is limited to students admitted to the Plumbing & Pipefitting Apprenticeship Program. Fourth-year course of the Plumber & Pipefitter Apprenticeship program. This course provides students with a working knowledge of Medical Gas, Brazing, Rigging and Crane Signaling. Grade only.

PLM 109  PLUMBING APPRENTICESHIP: ADV. DRAWING/LAYOUT FOR PLUMB. TRADES/UA FOREMAN  3.0 UNITS
Total Lecture: 24 hours, Total Lab: 75 hours
Prerequisite: Per California Code of Regulations, this course is limited to students admitted to the Plumbing & Pipefitting Apprenticeship Program. Fifth-year course of the Plumber & Pipefitter Apprenticeship program. This course provides students with a working knowledge of Advanced Drawing, Plumbing Layout and Building Detailing. Practical field knowledge of plumbing duties, processes, objectives and code callouts is covered in-depth. Grade only.

PLM 110  PLUMBING APPRENTICESHIP: CODE III/JUNIOR MECHANICS REVIEW & EXAM  3.0 UNITS
Total Lecture: 27 hours, Total Lab: 75 hours
Prerequisite: Per California Code of Regulations, this course is limited to students admitted to the Plumbing & Pipefitting Apprenticeship Program. Fifth-year course of the Plumber & Pipefitter Apprenticeship program. This course provides students with a working knowledge of Plumbing Codes and review of how changes affect the Plumbing Codes. Grade only.

POLITICAL SCIENCE (POL)

POL 001  AMERICAN GOVERNMENT  3.0 UNITS
Total Lecture: 54 hours
Acceptable for credit: University of California, California State University
This course is an introduction to the structure and functions of the governments at the Federal and California levels. Topics covered include Civil Rights and Liberties, Institutional development, and non-governmental actors in politics. This course helps satisfy the U.S. History, Constitution, and state and local government requirements for transfer to the UC/CSU systems, as well as for the Associate of Arts degree. This course may also be offered via distance learning. This course is approved for credit by exam. Pass/No Pass Option. C-ID # POLS 110. CSUGE: DB; IGETC: 4H.

POL 001H  AMERICAN GOVERNMENT – HONORS  3.0 UNITS
Total Lecture: 54 hours
Acceptable for credit: University of California, California State University
Honors American Government involves interdisciplinary, writing-intensive, collaborative, and experiential instruction. The course covers the structure and functions of the American national government, as well as those of state and local governments. Emphasis is placed on the development of a deep understanding of historical and societal influences on the modern American political institutions. Students cannot get credit for both POL 001 and POL
POL 002  COMPARATIVE GOVERNMENT  3.0 UNITS
Total Lecture: 54 hours
Acceptable for credit: University of California, California State University
This course explores the government and politics of some of the major nations in the world as well as developing nations. Political structures, functions, processes and policies are compared with each other and with the U.S. government. Particular consideration is given to contemporary world problems with an emphasis on developing comparative analytical skills and abilities. This course may be offered via distance learning. This course is approved for credit by exam. Pass/No Pass Option. C-ID # POLS 110. CSUGE: D8; IGETC: 4H.

POL 003  INTRODUCTION TO SOCIAL AND POLITICAL PHILOSOPHY  3.0 UNITS
Total Lecture: 54 hours
Acceptable for credit: University of California, California State University
This course introduces students to a critical study of some major social and political problems. What is society? What is a state? What is freedom? What is authority? What is the nature of political obligation? What constitutes justice? What constitutes a right? What are the relationships, if any, between the individual and society? This course is cross-listed as PHI 005. This course may also be offered via distance learning. Pass/No Pass Option. CSUGE: C2, D2; IGETC: 3B, 4G.

POL 004  INTERNATIONAL RELATIONS  3.0 UNITS
Total Lecture: 54 hours
Acceptable for credit: University of California, California State University
This course introduces the beginning student to world politics. The class is designed to provide students with both a framework and the analytical skills for better understanding the causes and effects of world events and the broader dynamics of the relations among nations. Emphasis is placed on theories of international relations, state and non-state players, the historical struggle for power between countries, international organizations, international economics, and the foreign policy process both in the United States and abroad. Pass/No Pass Option. C-ID # POLS 140. CSUGE: D8; IGETC: 4H.

POL 005  POLITICAL SCIENCE RESEARCH METHODOLOGY  3.0 UNITS
Total Lecture: 54 hours
Advisory: POL 001 or a college level course in any political or social science field.
Acceptable for credit: University of California, California State University
The purpose of the course is to give Political Science majors the necessary tools to understand and critique the methodology and research designs of the scholars in the fields contributing to the discipline. While there is some discussion of statistics, the emphasis is on the Why of research rather than merely the How. The basics of Measurement -- validity, reliability, instrumentation, and the collection and interpretation of data -- are introduced. Students explore the strengths and weaknesses of the various forms of analyses of the Qualitative and Quantitative methods of research. The ethical issues of political research and the importance of IRB review are discussed. Pass/No Pass Option. CSUGE: D8; IGETC: 4H.

POL 006  POLITICS OF RACE, CLASS AND GENDER  3.0 UNITS
Total Lecture: 54 hours
Acceptable for credit: University of California, California State University
This course is an introduction to the role race, economic class, and gender, have and currently play in global politics. The class surveys the political history, goals, strategies, perspectives, barriers and successes of women, the poor, and selected minorities within the context of politics around the world. Various ethnic, religious, socio-economic, and gender groups are considered. This course is approved for credit by exam. Pass/No Pass Option. CSUGE: D8; IGETC: 4H.

POL 007  INTERNATIONAL FILMS  3.0 UNITS
Total Lecture: 54 hours
Acceptable for credit: University of California, California State University
This course provides a critical look at the world and its problems through some of the finest international films. Films from Asia, Africa, Europe, and the Americas are viewed and analyzed to explore such topics as nationalism, sovereignty, war and peace, ethnic conflict, economics and immigration. This course is cross-listed as Humanities 007 (HUM 007). Pass/No Pass Option. CSUGE: C2, D7; IGETC: 3B.

POL 020  CONTROVERSIAL LEGAL ISSUES  3.0 UNITS
Total Lecture: 54 hours
Advisory: POL 001
Acceptable for credit: University of California, California State University
This course develops critical thinking skills as applied to contemporary legal and political issues that stem from controversies over civil rights and liberties. Topics such as drug decriminalization, offensive speech, affirmative action, discrimination against gender and sexual orientation, school prayer, the right to die, and pornography are explored. Students engage in debates on the issues, applying skills that allow them to distinguish between fact and judgment. Completion of Political Science 001 is recommended. Pass/No Pass Option. CSUGE: A3, D8; IGETC: 4H.

PSY 001  GENERAL PSYCHOLOGY  3.0 UNITS
Total Lecture: 54 hours
Acceptable for credit: University of California, California State University
This course introduces major concepts, problems and methods that psychologists use to investigate and understand the human mind. Major topics of study include the history and origins of psychology, introductory statistical concepts, motivation, emotion, biological determinants of behavior, environmental factors in behavior, psychological tests and measurements, and learning and personality theory. This course may also be offered by via distance learning. This course is approved for credit by exam. Pass/No Pass Option. C-ID # PSY 110. CSUGE: D9; IGETC: 4I.

PSY 001H  GENERAL PSYCHOLOGY - HONORS  3.0 UNITS
Total Lecture: 54 hours
Acceptable for credit: University of California, California State University
This honors course provides students with a basic understanding of major concepts, problems and methods that psychologists use to investigate and understand the human mind. Major topics of study include the history and origins of psychology, introductory statistical concepts, motivation, emotion, biological determinants of behavior, environmental factors in behavior, psychological tests and measurements, and learning and personality theory. The honors component involves an in-depth analysis of specific topics, using current information from research journals. Students cannot get credit for both PSY 001 and PSY 001H. Enrollment in the Honors Transfer Project is required. This course may also be offered via distance learning. This course is approved for credit by exam. Pass/No Pass Option. C-ID # PSY 110. CSUGE: D9; IGETC: 4I.