

**EGR 024L INTRODUCTION TO CIRCUIT ANALYSIS LABORATORY 1.0 UNIT**

Total Lab: 54 hours

Prerequisite: MAT 003B and PHY 004B

Corequisite: EGR 024

Acceptable for credit: University of California, California State University  
Introduction to Circuit Analysis Lab. This course is an introduction to the construction and measurement of electrical circuits. Basic use of electrical test and measurement instruments including multimeters, oscilloscopes, power supplies, and function generators. Use of circuit simulation software. Interpretation of measured and simulated data based on principles of circuit analysis for DC, transient, and sinusoidal steady-state (AC) conditions. Construction and measurement of basic operational amplifier circuits. This course is primarily for engineering transfer students. *Grade only.*

**EGR 025 ENGINEERING GRAPHICS AND DESIGN 4.0 UNITS**

Total Lecture: 54 hours, Total Lab: 54 hours

Prerequisite: MAT 000D or MAT 002 or MAT 003A or MAT 003AH

Acceptable for credit: University of California, California State University

This course develops graphical visualization and design skills by applying graphics based engineering methods. The course also teaches engineering design by applying the conceptual design process and integrating graphics into design projects. Graphics assignments develop sketching, manual drafting, and computer aided drafting (CAD) skills. This course is primarily for engineering transfer students. *Grade only. C-ID # ENGR 150.*

**EGR 026 ENGINEERING MATERIALS 4.0 UNITS**

Total Lecture: 54 hours, Total Lab: 54 hours

Prerequisite: (CHM 001A or CHM 001AH) and PHY 004A

Acceptable for credit: University of California, California State University

This course presents the internal structures and resulting behaviors of materials used in engineering applications, including metals, ceramics, polymers, composites, and semiconductors. The emphasis is upon developing the ability both to select appropriate materials to meet engineering design criteria and to understand the effects of heat, stress, imperfections, and chemical environments upon material properties and performance. Laboratories provide opportunities to directly observe the structures and behaviors discussed in the course, to operate testing equipment, to analyze experimental data, and to prepare reports. *Grade only. C-ID # ENGR 140B.*

**EGR 030 INTRODUCTION TO COMPUTING FOR ENGINEERS 4.0 UNITS**

Total Lecture: 54 hours, Total Lab: 54 hours

Prerequisite: MAT 001 or MAT 002

Acceptable for credit: University of California, California State University

This course introduces software development using a high level language such as C or C++. Engineering problems are solved through software programming techniques and by interfacing software to hardware circuits. A microcontroller system such as Arduino is used. *Pass/No Pass Option. C-ID # COMP 122.*

**ENGLISH (ENG)**

Placement in any English class is based on a placement test for new students or a grade of C or better in a previous course for continuing students. Students needing to take a placement test go directly to the Testing Center or call 408-855-5099.

**ENG 001A ENGLISH COMPOSITION 3.0 UNITS**

Total Lecture: 54 hours

Prerequisite: Completion of the Mission College Placement Process or ENG 905AC or ENG 908 or ESL 980.

Acceptable for credit: University of California, California State University

This course emphasizes the techniques of English composition with emphasis on the process of learning to write clearly and effectively and to read analytically. English 001A fulfills the English requirement for the Associate degree; this is a baccalaureate course. *Pass/No Pass Option. C-ID # ENGL 100, ENGL 110. CSUGE: A2; IGETC: 1A.*

**ENG 001AX ENGLISH COMPOSITION WITH ADDITIONAL SUPPORT 5.0 UNITS**

Total Lecture: 90 hours

Prerequisite: Completion of the Mission College Placement Process or ENG 905AC or ENG 908 or ESL 980.

Acceptable for credit: University of California, California State University

This course introduces the techniques of collegiate English composition with emphasis on clear, effective writing and analytical reading. Students will learn to think critically about their own writing and will receive extensive support throughout the writing process. Areas of support will include close reading, textual analysis, finding and correctly incorporating credible, relevant source material, and acclimating to a college academic environment. English 1AX fulfills the English requirement for the Associate degree. This course also satisfies the composition requirement for baccalaureate degrees. *Pass/No Pass Option. C-ID # ENGL 100. CSUGE: A2; IGETC: 1A.*

**ENG 001B ENGLISH COMPOSITION AND LITERATURE 3.0 UNITS**

Total Lecture: 54 hours

Prerequisite: ENG 001A or ENG 001AX

Acceptable for credit: University of California, California State University

This course continues emphasis on English composition skills with an introduction to techniques of reading and writing about literature and acquiring skills in analysis and interpretation. *Pass/No Pass Option. C-ID # ENGL 120, ENGL-LIT 100. CSUGE: A3, C2; IGETC: 1B.*

**ENG 001C CLEAR THINKING IN WRITING 3.0 UNITS**

Total Lecture: 54 hours

Prerequisite: ENG 001A or ENG 001AX

Acceptable for credit: University of California, California State University

This course continues an emphasis on English composition skills and enhancing critical thinking, particularly in the reading and writing of arguments. Course content includes analytical reading skills and methods of analysis, principles of logic, techniques of reasoning and style, and research skills. *Pass/No Pass Option. C-ID # ENGL 105, ENGL 115. CSUGE: A3; IGETC: 1B.*

**ENG 005A ENGLISH LITERATURE THROUGH 18TH CENTURY 3.0 UNITS**

Total Lecture: 54 hours

Advisory: ENG 001A or ENG 001AX

Acceptable for credit: University of California, California State University

This course is a survey of English literature that begins with Anglo-Saxon writings and the epic "Beowulf" and extends through the works of the eighteenth century ending with the writings of Samuel Johnson. *Pass/No Pass Option. C-ID # ENGL 160, ENGL-LIT 160. CSUGE: C2; IGETC: 3B.*

**ENG 005B ENGLISH LITERATURE FROM  
19TH CENTURY TO PRESENT 3.0 UNITS**

Total Lecture: 54 hours

Advisory: ENG 001A or ENG 001AX

Acceptable for credit: University of California, California State University

This course is a chronological survey of the second half of English literature, beginning with the Romantic Period of the nineteenth century and continuing to the present. Pass/No Pass Option. C-ID# ENGL 165. CSUGE: C2; IGETC: 3B.

**ENG 006B SURVEY OF WORLD LITERATURE 3.0 UNITS**

Total Lecture: 54 hours

Advisory: ENG 001A or ENG 001AX

Acceptable for credit: University of California, California State University

World Literature is the study of representative works of world literature from the seventeenth century to the present. The course emphasizes the literary and cultural significance of selected great works of Western and non-Western literary traditions, including women, minority, and ethnic literature from around the world. Pass/No Pass Option. C-ID# ENGL 145, ENGL-LIT 185. CSUGE: C2; IGETC: 3B.

**ENG 007A AMERICAN LITERATURE TO 1865 3.0 UNITS**

Total Lecture: 54 hours

Advisory: ENG 001A or ENG 001AX

Acceptable for credit: University of California, California State University

This course covers major American writers and literary traditions through 1865. It begins with Native American works and ends with the work of Walt Whitman. Pass/No Pass Option. C-ID# ENGL 130. CSUGE: C2; IGETC: 3B.

**ENG 007B AMERICAN LITERATURE 1865  
TO PRESENT 3.0 UNITS**

Total Lecture: 54 hours

Advisory: ENG 001A or ENG 001AX

Acceptable for credit: California State University, University of California

This course covers major American writers and literary traditions from 1865 to the present. Pass/No Pass Option. C-ID# ENGL 135. CSUGE: C2; IGETC: 3B.

**ENG 012 AFRICAN AMERICAN LITERATURE 3.0 UNITS**

Total Lecture: 54 hours

Acceptable for credit: University of California, California State University

This course explores major themes/literary issues in the development of African American literature during the periods of slavery, reconstruction, and the Harlem Renaissance, as well as contemporary writing. Among the literary forms covered in this course are the oral tradition, poetry, slave narratives, short stories, and novels. While linking them to political, cultural, and social issues from their historical period, the course examines issues such as: African oral traditions; blues, jazz, and the relationship between music and African American writing; the performance of literary text on the abolitionist stage; racial categorization and mixed-race identity; the literature of slavery; and the influences of African American writing on American literature. The course is cross listed as ETH 012. Pass/No Pass Option. CSUGE: C2; IGETC: 3B.

**ENG 013 LATINA/O LITERATURE 3.0 UNITS**

Total Lecture: 54 hours

Acceptable for Credit: University of California, California State University

This course provides an introduction to authors, topics, and societal issues in Latina/o literature from the 19th century to the present. Readings cover a variety of literary forms: novels, short stories, poems, drama, autobiography, and/or essays. This course will review Latina/o literature in relation to political movements and consider how Latina/o literature engages issues of race, gender, class, sexuality, immigration, colonialism, and decolonialism, while exploring diverse spaces in which Latinas/os make community in the United States. A variety of critical lenses will be used in the study of literature, including critical race, gender, and sexuality studies, and critical and comparative ethnic studies. We will consider how literature is fundamental in working through social justice issues within the Latina/o communities and at large. The course is cross listed as ETH 013. Pass/No Pass Option. CSUGE: F.

**ENG 015 INTRODUCTION TO FILM ANALYSIS 3.0 UNITS**

Total Lecture: 54 hours

Acceptable for credit: University of California, California State University

Critical analysis of film as a literary art form is covered in this course. Exemplary motion pictures are viewed and examined with special attention to film technique, thematic content, and aesthetic values. Pass/No Pass Option. C-ID # ENGL 135. CSUGE: C2; IGETC: 3B.

**ENG 043 CLASSICAL MYTHOLOGY 3.0 UNITS**

Total Lecture: 54 hours

Advisory: ENG 001A or ENG 001AX

Acceptable for credit: University of California, California State University.

Classical Mythology is an examination of the major classical myths of Western heritage for an appreciation of their literary value and their influence on modern life and culture. Pass/No Pass Option. CSUGE: C2; IGETC: 3B.

**ENG 048 INTRODUCTION TO SHAKESPEARE 3.0 UNITS**

Total Lecture: 54 hours

Advisory: ENG 001A or ENG 001AX

Acceptable for credit: University of California, California State University

Introduction to Shakespeare is a study of selected plays and sonnets. The course emphasizes detailed analysis of representative tragic, comedic, romance, and history plays, as well as the cultural contexts, dramatic conventions, poetics, and critical theory relevant to understanding Shakespeare's works. The course also focuses on critical analysis of issues including, but not limited to gender, sexuality, and race as they are represented in both source material and literary criticism. Pass/No Pass Option. CSUGE: C2; IGETC: 3B.

**ENG 070 CREATIVE WRITING 3.0 UNITS**

Total Lecture: 54 hours

Acceptable for credit: University of California, California State University

Creative Writing focuses on imaginative writing, specifically on fiction, poetry, creative nonfiction and drama. Students learn and practice various strategies associated with these genres, read and workshop each other's writing, and read/analyze the work of professional writers. Other activities may include attending literary events, hearing visiting writers, and making book presentations. Pass/No Pass Option. C-ID # ENGL 200, ENGL-CW 100. CSUGE: C2.

**ENG 900 WRITING SKILLS LAB 0.5 UNITS**

Total Lab: 27 hours

This course provides instruction designed to help students improve their writing by having them practice the steps of the writing process and apply writing strategies. Any student may enroll in the course. In order to receive credit, students must complete the required coursework. Pass/No Pass Only, Non-degree applicable course.

**ENG 905AC ACCELERATED ESSAY WRITING 6.0 UNITS**

Total Lecture: 108 hours

Prerequisite: Completion of the Mission College Placement Process prior to registration.

Concentration is on the writing and revision process, academic essays and introduction to research skills. Pass/No Pass Option, Non-degree applicable course.

**ENG 908 EFFECTIVE WRITING 3.0 UNITS**

Total Lecture: 54 hours

Prerequisite: Completion of the Mission College Placement Process prior to registration.

Concentration is on the writing process, academic essays, and introduction to research skills. Pass/No Pass Option. Non-degree applicable course.