DANC 27D  4 Units
Advisory: English Writing 200 and Reading 200 (or Language Arts 200), or English as a Second Language 261, 262 and 263.
Two hours lecture-laboratory for each unit of credit.
(Any combination of Dance 27A, 27B, 27C, and 27D may be taken up to three times for credit.)
An introduction to the basic techniques of dance production and performance.

DANC 37A  Theory and Technique of Jazz Dance I  1 Unit
(See general education pages for the requirement this course meets.)
Advisory: English Writing 211 and Reading 211 (or Language Arts 211), or English as a Second Language 272 and 273.
(Also listed as Physical Education 37A. Student may enroll in either department, but not both, for credit.)
Two hours lecture-laboratory.
(Any combination of Dance 37A and 37B, and Physical Education 37A and 37B may be taken up to six times for credit as long as the topics are different each time.)
Introduction to the discipline and creative art of jazz dance. Body conditioning, exposure to the history of major international influences, artists, and works. Development of a working vocabulary; and practice of basic techniques.

DANCE 79A  Individual Study in Dance  1 Unit
(Formerly Dance 26A, 26B, 26C and 26D respectively.)
Advisory: English Writing 200 and Reading 200 (or Language Arts 200), or English as a Second Language 261, 262 and 263: submission of Special Projects Contract.
Three hours laboratory for each unit of credit.
(Any combination of Dance 79A, 79B, 79C and 79D may be taken up to six times, not to exceed 18 units, as long as the projects are different each time.)
Individual projects in advanced choreography and dance research.

Drama
(See Dance and/or Theatre Arts)

Economics

ECON 1  Principles of Macroeconomics  4 Units
(See general education pages for the requirement this course meets.)
Advisory: English Writing 1A or English as a Second Language 5.
Four hours lecture.
An introduction to macroeconomics. Topics covered will include national income accounting, money and the banking system, money and the price level, classical macroeconomy; Keynesian macroeconomy; monetary and fiscal policy, and international trade.

ECON 2  Principles of Microeconomics  4 Units
(See general education pages for the requirement this course meets.)
Advisory: English Writing 211 and Reading 211 (or Language Arts 211), or English as a Second Language 272 and 273.
Four hours lecture.
Examines fundamental microeconomic issues; the allocation of resources and the pricing of output and factors of production; the distribution of wealth and income; consumer motivations and behavior; the nature and behavior of business firms and markets under various degrees of competition; current problems.

ECON 78I  Economic Issues in Today's World  3 Units
ECON 78J  4 Units
(Formerly Economics 40I and 40J respectively.)
Advisory: English Writing 1A or English as a Second Language 5 ; Economics 1 or 2.
One hour lecture for each unit of credit.
Basic economic analysis of current economic issues. Each topic studied is selected according to its currency and relevance to analysis. Examines fundamental economic issues within the context of current socio-political activity within the local or national economic environment. By learning the economic way of thinking, our students develop the ability to analyze complex, often ill-defined problems, and to think strategically about both intended and unintended consequences. The study of Economics develops a student’s ability to organize thoughts, analyze complex issues, and to make clear and persuasive recommendations. These skills explain why economics majors score higher on law school admissions tests than other majors, and receive among the highest starting salaries. Recent classes have included economic issues and their application to the understanding and testing of theory; the changing European economic community; liberal, conservative and radical perspectives on current economic policy; the restructuring of the California and United States economy; public finance options for local, state and federal government units; the use of simulations and modeling in economic analysis; political economy; and, experimental and behavioral economic theories and practices.
EDUC 1 Introduction to Elementary Education in a Diverse Society 3 Units
Advisory: English Writing 211 and Reading 211 (or Language Arts 211), or English as a Second Language 272 and 273.
Two hours lecture, three hours laboratory.
Examination of principles and practices of elementary education in today's society, including observations and supervised participation in the elementary school setting.

EDUC 41 Class Practices in Middle School Science and Mathematics 2 Units
(Formerly Education 61.)
Prerequisite: Qualifying score on the Math Placement Test within the last calendar year; or Mathematics 114 and a college level science course, both with a grade of C or better; current TB test, finger printing, and background check.
Advisory: English Writing 211 and Reading 211 (or Language Arts 211), or English as a Second Language 272 and 273.
(Also listed as Physical Sciences, Mathematics, and Engineering 41. Student may enroll in either department, but not both, for credit.)
One hour lecture, three hours laboratory.
Pass-No Pass (P-NP) course.
Introduction to the teaching and learning of science and mathematics in middle school classrooms for prospective science and mathematics teachers. Pairs of students are placed in local middle school classrooms to observe, participate and assist a Mentor Teacher in science and mathematics instruction. Students also participate in a weekly seminar on campus and discuss the best means to teach appropriate science and mathematics concepts at the middle school level.

EDUC 46 Mathematics for Elementary Education 5 Units
(See general education pages for the requirement this course meets.)
Prerequisite: Mathematics 114 with a grade of C or better.
Advisory: English Writing 211 and Reading 211 (or Language Arts 211), or English as a Second Language 272 and 273.
(Also listed as Mathematics 46. Student may enroll in either department, but not both, for credit.)
Five hours lecture.
Designed for prospective elementary and middle school teachers. An introduction to the discipline of mathematics as the use of logical, quantitative, and spatial reasoning in the abstraction, modeling, and problem solving of real-world situations. The main topics in the course include the origins of mathematics, mathematical reasoning and problem solving strategies, theory of sets, integers and integral number theory, rational numbers and proportion, real numbers and decimal notation, and measurement. Throughout the course students will experience the learning of mathematics in a way that models how they can create an active learning environment for their future students.

EDUC 56 Understanding and Working with English Language Learners 3 Units
(Also listed as Child Development 56. Student may enroll in either department, but not both, for credit.)
Three hours lecture.
Developmental and cultural examination of the bilingual child in early childhood programs. Theories and developmental sequence of bilingual language acquisition. Role of teacher and methods for supporting the bilingual child.

EDUC 58 Children's Literature 4 Units
(See general education pages for the requirement this course meets.)
Advisory: English Writing 211 and Reading 211 (or Language Arts 211), or English as a Second Language 272 and 273.
(Also listed as English Literature 58. Student may enroll in either department, but not both, for credit.)
Four hours lecture.
Study of the literature of children (pre-elementary through young adult) with an emphasis on poetry, picture books, folk tales, myths, fiction, fantasy, and nonfiction from a variety of cultures, ethnicities and historical periods. Evaluation of the literary quality and the cultural and historical meaning of individual works. Study of the use of children's literature as an educational tool both in the classroom and outside of it.

EDUC 73 Early Childhood Mental Health 3 Units
Advisory: English Writing 211 and Reading 211 (or Language Arts 211), or English as a Second Language 272 and 273.
(Also listed as Child Development 73. Student may enroll in either department, but not both, for credit.)
Three hours lecture.
Examination of child development and mental health theory. Assessment and screening to identify childhood mental health challenges. Implementation of mental health interventions and strategies. An Exploration of how violence impacts the physical and psychological well-being of adults and children.
ELIT 1 Introduction to Film 4 Units
(See general education pages for the requirement this course meets.)
Advisory: English Writing 211 and Reading 211 (or Language Arts 211), or English as a Second Language 227 and 228.
(Also listed as Film/Television 1. Student may enroll in either department, but not both, for credit.)
Four hours lecture.
An introduction to the international art of cinema through the techniques and procedures of filmmaking, including screenwriting, cinematography, directing, editing, and sound; through the formal properties of film, such as mise-en-scene, structure, and style; through the relationships between film and society, and through the critical analysis of works of film art.

ELIT 3 Film Genres 4 Units
Advisory: English Writing 1A or English as a Second Language 5.
(Also listed as Film/Television 41. Student may enroll in either department, but not both, for credit.)
Four hours lecture.
(Any combination of English Literature 3 and Film/Television 41 may be taken up to three times for credit as long as the topic matter is different each time.)
Analysis of specific film genres such as action-adventure, comedy, film noir, gangster, horror, musical, science fiction, thriller, war film or western within global, historical, social, cultural, industrial and aesthetic contexts. The genre studied changes each quarter (see subtitle in the quarterly schedule of classes).

ELIT 4 National Cinemas 4 Units
Advisory: English Writing 1A or English as a Second Language 5.
(Also listed as Film/Television 42. Student may enroll in either department, but not both, for credit.)
Four hours lecture.
(Any combination of English Literature 4 and Film/Television 42 may be taken up to three times for credit as long as the topic matter is different each time.)
Analysis of selected national cinemas in terms of major periods, themes and formal parameters, and in relation to both national and international cultural histories. The national cinema studied changes each quarter (see subtitle in the quarterly schedule of classes).

ELIT 5 Film Artists 4 Units
Advisory: English Writing 1A or English as a Second Language 5.
(Also listed as Film/Television 43. Student may enroll in either department, but not both, for credit.)
Four hours lecture.
(Any combination of English Literature 5 and Film/Television 43 may be taken up to three times for credit as long as the topic matter is different each time.)
Analysis of the works of specific film artists, such as directors, Alfred Hitchcock or Orson Welles; or analysis of the works of artists practicing a specific film craft, such as screenwriting, acting, cinematography or editing. The topic studied changes each quarter (see subtitle in the quarterly schedule of classes).

ELIT 6 Cinema and the African American (An Historical Analysis of film African Americans in African Cinema) 4 Units
(See general education pages for the requirement this course meets.)
Advisory: English Writing 1A or English as a Second Language 5.
(Also listed as Intercultural Studies 14 and Film/Television 48. Student may enroll in only one department for credit.)
Four hours lecture.
A survey of the image and role of the African American film industry. Particular attention will be given to the development of images of racial stereotypes, those works attempting a historical portrayal of the African American experience and the roles played by key African Americans in the evolution of film as an art and feature films as an industry in the United States.

ELIT 10 Introduction to Fiction 4 Units
(See general education pages for the requirement this course meets.)
Advisory: English Writing 1A or English as a Second Language 5.
Four hours lecture.
Intensive study of fiction; reading, discussion and analysis of structure and meaning in selected novels and short stories.

ELIT 11 Introduction to Poetry 4 Units
(See general education pages for the requirement this course meets.)
Advisory: English Writing 1A or English as a Second Language 5.
Four hours lecture.
Intensive study of poetry; reading, discussion, and analysis of structure and meaning in selected poems.

ELIT 12 Introduction to Dramatic Literature 4 Units
(See general education pages for the requirement this course meets.)
Advisory: English Writing 1A or English as a Second Language 5.
Four hours lecture.
Intensive study of dramatic literature; reading, discussion, and analysis of structure and meaning in selected plays.

ELIT 17 Introduction to Shakespeare 4 Units
(See general education pages for the requirement this course meets.)
Advisory: English Writing 1A or English as a Second Language 5.
Four hours lecture.
Analysis of representative Shakespearean sonnets, histories, tragedies, and comedies, placed within the literary and social context of the Renaissance as well as the context of contemporary culture.

ELIT 19 Introduction to the Bible as Literature 4 Units
(See general education pages for the requirement this course meets.)
Prerequisite: English Writing 1A or English as a Second Language 5.
Four hours lecture.
An introduction to the study of the Bible, in English, from a literary, cultural, and historical point of view, with consideration of its influence on our culture. Selected readings from Hebrew Bible, Greek New Testament, and Apocrypha.

ELIT 20 Major Authors 4 Units
(See general education pages for the requirement this course meets.)
Prerequisite: English Writing 1A.
Four hours lecture.
May be taken twice for credit as long as the subject matter is different each time.
Reading and analysis of representative works of one, two, or three major authors through lecture, discussion, and critical writing. Emphasis on author or author’s stylistic innovations, historical, social, cultural, multicultural, and gender representations.

ELIT 21 Women in Literature 4 Units
(See general education pages for the requirement this course meets.)
Advisory: English Writing 1A or English as a Second Language 5.
Four hours lecture.
Intensive study of representative literary works by or about women including an analysis of different historical, cultural, and critical perspectives.

ELIT 22 Mythology and Folklore 4 Units
(See general education pages for the requirement this course meets.)
Advisory: English Writing 1A or English as a Second Language 5.
Four hours lecture.
An intercultural survey of prehistoric, historic, and contemporary world mythology and folklore which examines the relationship between a culture's myths and folktales and its art, literature, and social values.

ELIT 23 Literature and Masculinities 4 Units
(Formerly English Literature 63.)
(See general education pages for the requirement this course meets.)
Advisory: English Writing 1A or English as a Second Language 5.
(Also listed as Women's Studies 23. Student may enroll in either department, but not both, for credit.)
Four hours lecture.
Intensive study of representative literary works that highlight the role of men as writers, characters, subjects and readers, with attention to the relevant historical and cultural contexts of diverse masculinities.

All courses are for unit credit and apply to a De Anza associate's degree unless otherwise noted.
ELIT 24 Asian American Literature 4 Units
(Formerly English Literature 52.)
(See general education pages for the requirement this course meets.)
Prerequisite: English Writing 211 and Reading 211 (or Language Arts 211), or English as a Second Language 272 and 273.
(Also listed as Intercultural Studies 24. Student may enroll in either department, but not both, for credit.)
Four hours lecture.
Introduction to Asian American literature. Readings in Twentieth and Twenty-First Century works, with an emphasis on three relevant themes: problems of identity as it relates to class, gender, mixed heritages, and sexuality; politics and the history of Asian American activism and resistance; and diversity of cultures within the Asian American community.

ELIT 25 Introduction to Linguistics 4 Units
(See general education pages for the requirement this course meets.)
Advisory: English Writing 1A or English as a Second Language 5.
(Also listed as Linguistics 1. Student may enroll in either department, but not both, for credit.)
Four hours lecture.
Introduction to the nature of language. Origin and development of spoken and written languages, how people learn languages, and how languages change, with emphasis on the history of English. Basics of linguistic description including systems of phonetics and phonology, semantics, morphology and syntax. Study of general linguistic principles as they apply across languages.

ELIT 26 Popular Literature 4 Units
(See general education pages for the requirement this course meets.)
Advisory: English Writing 1A or English as a Second Language 5.
Four hours lecture.
Intensive study of popular writing, especially popular fiction, from a social, historical, and literary perspective. Includes examination of oppositions such as popular/ literary, high/low culture, entertainment/art.

ELIT 39 Contemporary Literature 4 Units
(See general education pages for the requirement this course meets.)
Advisory: English Writing 1A or English as a Second Language 5.
Four hours lecture.
Critical examination of representative, contemporary literary works of the post-WWII period, with emphasis on more recent works and intercultural offerings. Attention to key trends, styles, and issues in a global context.

ELIT 44 International Literature (Fiction) 4 Units
(See general education pages for the requirement this course meets.)
Advisory: English Writing 211 and Reading 211 (or Language Arts 211), or English as a Second Language 272 and 273.
Four hours lecture.
Reading and critical analysis of representative works of international fiction, including works from Africa, Asia, Latin America, Pacific Islands, and Australia. Literary, cultural, and cross-cultural interpretation, evaluation, and comparison. Cross-cultural interpretation and literary analysis of short stories and novels.

ELIT 46A Major British Writers (Neo-Classical and Renaissance) 4 Units
(See general education pages for the requirement this course meets.)
Advisory: English Writing 1A or English as a Second Language 5.
Four hours lecture.
Reading and critical analysis of representative works by major writers such as Chaucer, Shakespeare and Milton.

ELIT 46B Major British Writers (Medieval and Renaissance) 4 Units
(See general education pages for the requirement this course meets.)
Advisory: English Writing 1A or English as a Second Language 5; or consent of the instructor.
Four hours lecture.
Reading and critical response to representative works by major writers such as Pope, Behn, Swift, Johnson, Wordsworth, Coleridge, Percy and Mary Godwin Shelley, Keats, Austen, Montagu, and the Bronte sisters.

ELIT 46C Major British Writers (Victorian and Modern) 4 Units
(See general education pages for the requirement this course meets.)
Advisory: English Writing 1A or English as a Second Language 5.
Four hours lecture.
Reading and critical response to representative works by major writers such as the Brontes, Tennyson, Barrett Browning, Browning, Dickens, Arnold, Hopkins, Wilde, Lawrence, Hardy, Yeats, Conrad, Joyce, Eliot, Beckett, Woolf and Auden.

ELIT 48A Major American Writers (Colonial to Romantic, 1620-1865) 4 Units
(See general education pages for the requirement this course meets.)
Advisory: English Writing 1A or English as a Second Language 5.
Four hours lecture.
Reading and critical analysis of representative works by diverse writers such as William Bradford, Anne Bradstreet, Jonathan Edwards, Ben Franklin, Thomas Jefferson, James Fenimore Cooper, Edgar Allan Poe, Nathaniel Hawthorne, Herman Melville, Frederick Douglass, Harriet Jacobs, Harriet Beecher Stowe, Elias Boudinot, Chief Seattle, Sojourner Truth, Ralph Waldo Emerson, Margaret Fuller, Henry David Thoreau.

ELIT 48B Major American Writers (The Advent of Realism, 1865-1914) 4 Units
(See general education pages for the requirement this course meets.)
Advisory: English Writing 1A or English as a Second Language 5.
Four hours lecture.
Reading and critical analysis of representative works by major writers such as Walt Whitman, Emily Dickinson, Mark Twain, Henry James, William Dean Howells, Charlotte Perkins Gilman, Charles Chesnutt, Mary Wilkins Freeman, Kate Chopin, Stephen Crane, Booker T. Washington, W.E.B. DuBois, Black Elk, and Robert Frost.

ELIT 48C Major American Writers (The Modern Age, 1914-present) 4 Units
(See general education pages for the requirement this course meets.)
Advisory: English Writing 1A or English as a Second Language 5.
Four hours lecture.
Reading and critical analysis of representative works by major writers such as Faulkner, Hemingway, Hurston, Morrison, Fitzgerald, Hughes, Wright, Ellison, Williams, Cisneros, Stevens, Sexton, Eliot, Vonnegut, Pynchon, O’Connor, Plath, Carver, Wilson, and O’Neill.

ELIT 58 Children’s Literature 4 Units
(See general education pages for the requirement this course meets.)
Advisory: English Writing 211 and Reading 211 (or Language Arts 211), or English as a Second Language 272 and 273.
(Also listed as Education 58. Student may enroll in either department, but not both, for credit.)
Four hours lecture.
Study of the literature of children (pre-elementary through young adult) with an emphasis on poetry, picture books, folk tales, myths, fiction, fantasy, and nonfiction from a variety of cultures, ethnicities and historical periods. Evaluation of the literary quality and the cultural and historical meaning of individual works. Study of the use of children’s literature as an educational tool both in the classroom and outside of it.

ELIT 78 Special Topics in Literature 1 Unit
ELIT 78X 2 Units
ELIT 78Y 3 Units
ELIT 78Z 4 Units
Advisory: English Writing 1A or English as a Second Language 5, or recommendation of instructor or counselor.
One hour lecture for each unit of credit.
(Any combination of English Literature 78, 78X, 78Y and 78Z may be taken up to six times, not to exceed 16 units, as long as the topics are different each time.)
Intensive study and analysis of a special topic in literature.

ELIT 97 Special Topics: Shakespeare in Performance 2 Units
Advisory: English Writing 1A or English as a Second Language 5.
One hour lecture, three hours laboratory.
(May be taken six times for credit, as the topics are different each time.)
Discussions of selected plays and an extended field trip to live performances of the plays at the annual Oregon Shakespeare Festival. Costs to be borne by the student.

English/Writing

Some courses in this department have recommended competencies. These are determined by placement tests; students who have not taken placement tests or who are unsure of their scores should call the Assessment Office at 408.864.8717.

EWRT 1A Composition and Reading 5 Units
(See general education pages for the requirement this course meets.)
Prerequisite: English Writing 211 and Reading 211 (or Language Arts 211); or equivalent placement (normally based on results of the English Placement Tests). Five hours lecture.
Introduction to university level reading and writing, with an emphasis on analysis, close examination of a variety of texts (personal, popular, literary, professional, academic) from culturally diverse traditions. Practice in common rhetorical strategies used in academic writing. Composition of clear, well-organized, and well-developed essays, with varying purposes and differing audiences, from personal to academic.
EWRT 1B  Reading, Writing, and Research  5 Units
(See general education pages for the requirement this course meets.)
Prerequisite: English Writing 1A.
Five hours lecture.
Development of analytical, integrative skills in reading and writing. Academic
(interpretive, analytical, argumentative) writing based largely on reading of literary/
imaginative texts linked by a common theme or issue. Outside research leading to
analysis, comparison, and synthesis in documented research paper.

EWRT 1C  Literature and Composition  5 Units
(See general education pages for the requirement this course meets.)
Prerequisite: English Writing 1B.
Five hours lecture.
Applies the analytical, critical, and synthesis skills developed in English Writing 1A
and 1B to the ways meaning can be made in diverse cultural, social, and historical
contexts in prose, poetry, and drama by reading and analyzing texts and critical
interpretations and by composing critical responses, analyses, and arguments.

EWRT 2  Critical Reading, Writing, and Thinking  5 Units
(See general education pages for the requirement this course meets.)
Prerequisite: English Writing 1A.
Five hours lecture.
Develops critical thinking skills and the ability to apply these skills to reading and
writing. Develop analytical and argumentative academic essays based on reading
of complex texts, and the use of outside research leading to analysis, comparison,
and synthesis a documented research paper.

EWRT 30  Introduction to Creative Writing  4 Units
(See general education pages for the requirement this course meets.)
Prerequisite: English Writing 211 and Reading 211 (or Language Arts 211);
plus corequisite lab classes in each case; or equivalent placement into English
Writing 1A.
Four hours lecture.
Introduction to the writing of fiction, poetry, drama, and creative nonfiction, through
both critical analysis and intensive practice.

EWRT 40  Fiction Writing  4 Units
Prerequisite: English Writing 211 and Reading 211 (or Language Arts 211).
Advisory: English Writing 30.
Four hours lecture.
Pass-No Pass (P-NP) course.
Development of fiction writing skills through critical analysis and intensive practice.

EWRT 41  Poetry Writing  4 Units
Prerequisite: English Writing 211 and Reading 211 (or Language Arts 211).
Advisory: English Writing 30.
Four hours lecture.
Pass-No Pass (P-NP) course.
Development of poetry writing skills through critical analysis and intensive practice
EWRT 42  Writing It Real: Creative Nonfiction and Memoir Writing  4 Units
(Formerly English Writing 54.)
Prerequisite: English Writing 211 and Reading 211 (or Language Arts 211).
Four hours lecture.
Pass-No Pass (P-NP) course.
Development of skills in writing creative nonfiction and memoir through critical
analysis and intensive practice.

EWRT 50  Creative Writing Workshop  4 Units
Prerequisite: English Writing 211 and Reading 211 (or Language Arts 211).
Four hours lecture.
Further development of creative writing skills through careful analysis, intensive
practice, and collaborative critique.

EWRT 61  Introduction to Technical Writing  5 Units
Prerequisite: English Writing 1A or English as a Second Language 5.
(Also listed as Business 61 and Technical Writing 61. Student may enroll in only
one department for credit.)
Five hours lecture.
Technical writing skills focusing on basic techniques of the technical
field, functional description, process writing, technical vocabulary, correct usage,
and accurate editing.

EWRT 62  Survey of Technical Writing  5 Units
Prerequisite: Business 61 or English Writing 61 or Technical Writing 61 (may be
taken concurrently).
(Also listed as Business 62 and Technical Writing 62. Student may enroll in only
one department for credit.)
Five hours lecture.
Technical writing skills focusing on short documents formats, production of sections
of various technical documents, and incorporation of graphics within text.

EWRT 63  Technical Publications  5 Units
Prerequisite: Business 61 or English Writing 61 or Technical Writing 61.
(Also listed as Business 63 and Technical Writing 63. Student may enroll in only
one department for credit.)
Five hours lecture.
Technical writing and editing skills applied through individual and group assignments
with emphasis on planning, scheduling, and producing longer reports, manuals,
and instructions. Development of organizational skills and individual documentation
solutions.

EWRT 64  Technical Writing Seminar  5 Units
Prerequisite: Business 62 or 63; or English Writing 62 or 63; or Technical
Writing 62 or 63.
(Also listed as Business 64 and Technical Writing 64. Student may enroll in only
one department for credit.)
Five hours lecture.
Technical communication and editing skills applied through the preparation and
presentation of a complete document according to the standards of the student's chosen
technical field.

EWRT 65  Literary Magazine  1 Unit
EWRT 65X  2 Units
Advisory: English Writing 1A or English as a Second Language 5.
(Also listed as Journalism 65W and 65X. Student may enroll in either
department, but not both, for credit.)
Two hours lecture-laboratory for the one-unit course; two hours lecture-
laboratory and three hours laboratory for the two unit course.
(Any combination of English Writing 65, 65X and Journalism 65W, 65X may be
taken up to six times for credit. Submissions vary each quarter, so content is
different. Students build upon previous experience and develop higher-level
skills.)
Pass-No Pass (P-NP) course.
Collaborative evaluation and selection of fiction, poetry, photography, drawings,
and other literary and artistic work for literary magazine. Magazine design and
production. (Additional editorial, production, management, or marketing work for
English Writing 65X and Journalism 65X.)

EWRT 77  Special Projects in English  1 Unit
EWRT 77X  2 Units
EWRT 77Y  3 Units
(Any combination of English Writing 65, 65X and 65W may be taken up to six
times for credit, plus corequisite lab classes in each case; or equivalent placement
into English Writing 1A.)
Three hours laboratory for each unit of credit.
(Any combination of English Writing 77, 77X and 77Y may be taken up to six
times for credit, but not to exceed 18 units, as long as the projects are different
each time.)
Pass-No Pass (P-NP) course.
Special reading, writing, or study projects in English as determined in consultation
with the instructor.

EWRT 97  Introduction to Peer Tutoring in Writing  3 Units
Prerequisite: English Writing 1A or English as a Second Language 5; must be
hired to work as a De Anza tutor.
(Also listed as Learning Assistance 97. Student may enroll in either department,
but not both, for credit.)
Three hours lecture.
Required training for De Anza writing tutors. Introduction to the theory and practice
of tutoring writing, including strategies and approaches to help students from
diverse linguistic backgrounds at various stages of the writing process. Students
read about, observe, discuss, write about and practice the craft of tutoring writing.
After an initial orientation, students in the class begin tutoring, and reflect on their
tutoring experiences as part of the class.

EWRT 200  Fundamentals of Writing  5 Units
Credit course - Does not apply to De Anza Associate degree.
Prerequisite: Qualifying score on the English Placement Test.
Five hours lecture.
(May be taken twice for credit.)
Pass-No Pass (P-NP) course.
Practice focused, purposeful writing in several formats to different audiences
with a variety of sentence structures responding to, engaging with or inspired by
written or visual texts. Edit writing to correct errors in the major conventions of
Standard Written English.

EWRT 211  Preparatory Reading and Writing Skills  5 Units
(Formerly English Writing 100.)
Credit course - Does not apply to De Anza Associate degree.
Prerequisite: English Writing 200 and Reading 200 (or Language Arts 200), or
English as a Second Language 261, 262 and 263; or an English Placement Test
score of 41 or above.
Five hours lecture.
Pass-No Pass (P-NP) course.
Develop the abilities necessary for college-level reading and essay writing. Emphasize
writing in response to critical questions about assigned texts.

All courses are for unit credit and apply to a
De Anza associate’s degree unless otherwise noted.
EWRT 274  Grammar and Proofreading for Academic Writing  4 Units
(Formerly English Writing 174.)
Credit course - Does not apply to De Anza Associate degree.
(Recommended for students whose native language is not English and students
who wish to improve their grammar and proofreading skills.)
Prerequisite: English as a Second Language 261, 262 and 263; English
Writing 200.
(Also listed as English as a Second Language 274. Student may enroll in either
department, but not both, for credit.)
Four hours lecture.
Focus on helping students become successful academic writers by addressing
their needs (a) to understand grammatical structures fundamental to college writing and
(b) to develop effective proofreading skills.

English as a Second Language

Students are required to take the De Anza College ESL Placement Test before
enrolling in ESL classes. Students who need information about the placement
test should look in the Schedule of Classes in the section on "Testing" or call the
Assessment Office at 408.864.8717.

ESL 5  Advanced Composition and Reading  5 Units
(See general education pages for the requirement this course meets.)
Prerequisite: English Writing 211 and Reading 211 (or Language Arts 211), or
English as a Second Language 272 and 273; or a qualifying score on the English
as a Second Language Placement Test.
Five hours lecture.
Close reading and analysis of a variety of personal, societal, academic, and literary
texts representing culturally diverse perspectives. Practice of the techniques of
expository, response, and argumentative writing based on personal experience,
critical reading, and critical thinking. Composition of clear, organized, and well-
developed essays with varied rhetorical strategies and for differing audiences.

ESL 6  Critical Reading and Research for Writing  5 Units
(See general education pages for the requirement this course meets.)
(Required to students whose native language is not English.)
Prerequisite: English Writing 1A or English as a Second Language 5.
Five hours lecture.
Development of analytical, integrative and research skills in reading and writing.
Academic writing based largely on analytic and interpretive reading of culturally
diverse literature. Outside research leading to analysis, comparison, and synthesis
in a documented research paper.

ESL 200  High Beginning English as a Second Language  10 Units
Credit course - Does not apply to De Anza Associate degree.
Prerequisite: Qualifying score on the English as a Second Language Placement
Test.
Ten hours lecture.
Development of English speaking, listening, reading and writing skills. Practice in
listening to and using basic forms of conversational English with comprehensible
pronunciation. Development of basic reading comprehension and vocabulary.
Practice in writing simple and compound sentences, short narratives, explanations
and descriptions.

ESL 210  Practice in Speaking and Conversation  1/2 Unit
Credit course - Does not apply to De Anza Associate degree.
(Required to students whose native language is not English.)
Prerequisite: English as a Second Language 244.
One hour lecture-laboratory.
(May be taken up to three times for credit.)
Pass-No Pass (P-NP) course.
English speaking and conversation skills practiced in a variety of contexts to
develop vocabulary, comprehensibility and cultural awareness.

ESL 211  Listening in Context  1/2 Unit
(English as a Second Language 211 was formerly English as a Second
Language 111.)
Credit course - Does not apply to De Anza Associate degree.
(Required to students whose native language is not English.)
Prerequisite: English as a Second Language 251.
One hour lecture-laboratory.
Pass-No Pass (P-NP) course.
English listening practice in a variety of contexts to expand vocabulary,
comprehensibility and cultural awareness.

ESL 213  Vocabulary and Idioms in Context  1/2 Unit
(English as a Second Language 213 was formerly English as a Second
Language 113.)
Credit course - Does not apply to De Anza Associate degree.
(Required to students whose native language is not English.)
Prerequisite: English as a Second Language 244.
One-hour lecture-laboratory for the one-half unit course, two hours lecture-
laboratory for the one unit course.
Pass-No Pass (P-NP) course.
Vocabulary expansion: reading and listening exposure to vocabulary and idioms
in a variety of contexts with follow-up spoken and written practice.

ESL 214  English for Academic Skills  1/2 Unit
Credit course - Does not apply to De Anza Associate degree.
(Required to students whose native language is not English.)
Prerequisite: English as a Second Language 261, 262 and 263.
One hour lecture-laboratory.
(May be taken up to three times for credit.)
Pass-No Pass (P-NP) course.
Academic skills with emphasis on improving skills in reading, writing and aurally
comprehending academic English to prepare students for college-level general
education courses.

ESL 216  Advanced Reading Practice  1/2 Unit
ESL 216X  1 Unit
(English as a Second Language 216 was formerly English as a Second
Language 116.)
Credit course - Does not apply to De Anza Associate degree.
(Required to students whose native language is not English.)
Prerequisite: English as a Second Language 252.
One-hour lecture-laboratory for the one-half unit course, two hours lecture-
laboratory for the one unit course.
Pass-No Pass (P-NP) course.
Extensive reading to expand vocabulary, develop critical reading skills, and improve
ability to analyze reading selections through small group discussion.

ESL 222  Reading Comprehension  1/2 Unit
(Formerly English as a Second Language 222.)
Credit course - Does not apply to De Anza Associate degree.
(Required to students whose native language is not English.)
Prerequisite: English as a Second Language 244.
One hour lecture-laboratory.
(May be taken up to three times for credit.)
Pass-No Pass (P-NP) course.
Reading practice and vocabulary development to improve comprehension of topics
and issues reported by the news media.

ESL 223  Reading and Vocabulary Building  1/2 Unit
ESL 223X  1 Unit
(English as a Second Language 223 was formerly English as a Second
Language 123.)
Credit course - Does not apply to De Anza Associate degree.
(Required to students whose native language is not English.)
Prerequisite: English as a Second Language 244.
One-hour lecture-laboratory for the one-half unit course, two hours lecture-
laboratory for the one unit course.
Pass-No Pass (P-NP) course.
Develop an appreciation for reading and sharing ideas in English while improving
reading skills, retention, and vocabulary.

ESL 230  Studies in American Language and Culture  1 Unit
ESL 230W  2 Units
ESL 230X  3 Units
ESL 230Y  4 Units
Credit course - Does not apply to De Anza Associate degree.
(Required to students whose native language is not English.)
One hour lecture for each unit of credit.
Pass-No Pass (P-NP) course.
Develop conversation, discussion and listening skills for clear communication in
a variety of contexts. Investigate and analyze customs and attitudes in American
culture from a multicultural perspective.

All courses are for unit credit and apply to a
De Anza associate's degree unless otherwise noted.

2010-2011 De Anza College Catalog
ESL 234  Low Intermediate English as a Second Language 10 Units
(Formerly English as a Second Language 134.)
Credit course - Does not apply to De Anza Associate degree.
(Restricted to students whose native language is not English.)
Prerequisite: Qualifying score on the English as a Second Language Placement Test.
Ten hours lecture.
Development of English speaking, listening, reading and writing skills. Practice in listening to and using basic forms of conversational English to ask and answer questions on a variety of cultural topics. Development of basic reading comprehension and vocabulary. Practice in writing simple and compound sentences, short narratives, explanations, and descriptions.

ESL 244  Intermediate English as a Second Language 10 Units
(Formerly English as a Second Language 144.)
Credit course - Does not apply to De Anza Associate degree.
(Restricted to students whose native language is not English.)
Prerequisite: Qualifying score on the English as a Second Language Placement Test; or English as a Second Language 234 with a grade of C or better.
Ten hours lecture.
Development of English speaking, listening, reading and writing skills. Includes pronunciation practice, vocabulary building skills, writing short compositions and discussion of cross-cultural topics.

ESL 251  High Intermediate Listening and Speaking 3 Units
Credit course - Does not apply to De Anza Associate degree.
(Restricted to students whose native language is not English.)
Prerequisite: English as a Second Language 244; or qualifying score on the English as a Second Language Placement Test.
Corequisite: English as a Second Language 251 students may also take English as a Second Language 252 and 253 concurrently.
Three hours lecture.
English speaking and listening practice in a variety of contexts. Development of vocabulary appropriate in both formal and informal situations.

ESL 252  High Intermediate Reading 3 Units
(Formerly English as a Second Language 152.)
Credit course - Does not apply to De Anza Associate degree.
(Restricted to students whose native language is not English.)
Prerequisite: English as a Second Language 244; or qualifying score on the English as a Second Language Placement Test.
Corequisite: English as a Second Language 252 students may also take English as a Second Language 251 and 253 concurrently.
Three hours lecture.
Development of high intermediate English reading comprehension and vocabulary building skills in extended written materials.

ESL 253  High Intermediate Grammar and Writing 4 Units
Credit course - Does not apply to De Anza Associate degree.
(Restricted to students whose native language is not English.)
Prerequisite: English as a Second Language 244; or qualifying score on the English as a Second Language Placement Test.
Corequisite: English as a Second Language 253 students may also enroll in English as a Second Language 251 and 252 concurrently.
Four hours lecture.
Development skills in using level-specific grammar and sentence structure in writing. Write organized and well-developed descriptive, narrative, and explanatory paragraphs.

ESL 254  American Language and Culture Through Movies and Television Shows 3 Units
Credit course - Does not apply to De Anza Associate degree.
( Restricted to students whose native language is not English.)
Prerequisite: English as a Second Language 251; or a qualifying score on the English as a Second Language Placement Test.
Three hours lecture.
Develop an understanding of American culture, language, common idioms and slang through viewing and discussing American films and television.

ESL 260  Accent Reduction (for Non-Native Speakers) 3 Units
Credit course - Does not apply to De Anza Associate degree.
( Restricted to students whose native language is not English.)
Advisory: English as a Second Language 251.
Two hours lecture, three hours laboratory.
Pass-No Pass (P-NP) course.
Emphasis on production of speech that is intelligible and accurate, through study and practice of English language sound system, stress, linking, reduction, rhythm, and intonation patterns.

ESL 261  Low Advanced Listening and Speaking 3 Units
(Formerly English as a Second Language 161.)
Credit course - Does not apply to De Anza Associate degree.
( Restricted to students whose native language is not English.)
Prerequisite: English as a Second Language 251 or a qualifying score on the English as a Second Language Placement Test.
Corequisite: English as a Second Language 261 students may enroll in English as a Second Language 262 and 263 concurrently.
Three hours lecture.
Speaking and listening; emphasis on comprehension and analysis of information; expression of students' ideas using a variety of levels of sophistication. Development of listening, pronunciation and note-taking skills.

ESL 262  Low Advanced Reading 3 Units
Credit course - Does not apply to De Anza Associate degree.
( Restricted to students whose native language is not English.)
Prerequisite: English as a Second Language 252; or a qualifying score on the English as a Second Language Placement Test.
Corequisite: English as a Second Language 262 students may also enroll in English as a Second Language 261 and 263 concurrently.
Three hours lecture.
Development of advanced reading comprehension, vocabulary building skills, and improved reading rate in extended written materials.

ESL 263  Low Advanced Grammar and Writing 4 Units
Credit course - Does not apply to De Anza Associate degree.
( Restricted to students whose native language is not English.)
Prerequisite: English as a Second Language 253; or a qualifying score on the English as a Second Language Placement Test.
Corequisite: English as a Second Language 263 students may also enroll in English as a Second Language 261 and 262 concurrently.
Four hours lecture.
Develop skills for writing clear, organized, well-developed, multiple paragraph compositions that demonstrate analytical thinking and level-appropriate grammar, sentence structure and vocabulary.

ESL 272  Advanced Reading and Vocabulary 5 Units
(Formerly English as a Second Language 172.)
Credit course - Does not apply to De Anza Associate degree.
( Restricted to students whose native language is not English.)
Prerequisite: Reading 200 (or Language Arts 200), or English as a Second Language 262; or a qualifying score on the English as a Second Language Placement Test.
Corequisite: English as a Second Language 272 students may also enroll in English as a Second Language 273 concurrently.
Five hours lecture.
Development of academic vocabulary and reading skills through extensive reading of college level material in English.

ESL 273  Introduction to the Essay 5 Units
(Formerly English as a Second Language 173.)
Credit course - Does not apply to De Anza Associate degree.
( Restricted to students whose native language is not English.)
Prerequisite: English Writing 200 and Reading 200 (or Language Arts 200), or English as a Second Language 261, 262 and 263 with a grade of C or better; or a qualifying score on the English as a Second Language Placement Test.
Corequisite: English as a Second 273 students may also enroll in English as a Second Language 272 concurrently.
Five hours lecture.
Principles of essay writing.

ESL 274  Grammar and Proofreading for Academic Writing 4 Units
(Formerly English as a Second Language 174.)
Credit course - Does not apply to De Anza Associate degree.
( Recommended for students whose native language is not English and students who wish to improve their grammar and proofreading skills.)
Prerequisite: English as a Second Language 261, 262 and 263; English Writing 200.
(Also listed as English Writing 274. Student may enroll in either department, but not both, for credit.)
Four hours lecture.
Focus on helping students become successful academic writers by addressing their needs (a) to understand grammatical structures fundamental to college writing and (b) to develop effective proofreading skills.
ESLI 280 English As a Second Language for Child Development and Education 1 Unit
ESLI 280X 2 Units
ESLI 280Y 3 Units
Credit course - Does not apply to De Anza Associate degree.
(Restricted to students whose native language is not English and who are enrolled in the Child Development Department.)
Corequisite: English as a Second Language 280 students must also enroll in Child Development 10G or 10H; and Child Development 12, 50, 51, 54, 56 and 64.
Advisory: English as a Second Language 251, 252, and 253; or a qualifying score on the English as a Second Language placement test.
One hour lecture for each unit of credit.
Language support for non-native English speakers taking Child Development courses, including listening/speaking, reading, writing, and vocabulary building strategies and test-taking and study skills to help students successfully understand Child Development courses, textbooks, class and group discussions, and writing and interview assignments.

Environmental Science

ESCI 1 Environmental Science 4 Units
(Formerly Environmental Science 51.)
(See general education pages for the requirement this course meets.)
Advisory: English Writing 1A or English as a Second Language 5.
Four hours lecture.
An introduction to environmental science as a branch of the sciences and its relation to the scientific field including the scientific method. Review of the principles, concepts and terminology of the environmental sciences and ecological literacy including restoration ecology, landscape ecology, sustainable studies and ecosystem management. Agenda 21 and other environmental indicator tools as they relate to human use of the earth's systems including the hydrosphere, atmosphere, lithosphere and biosphere and the impact on cultural, ethnic and gender groups will be explored. (One-day field trip outside of scheduled class time may be required for this course.)

ESCI 1L Environmental Science Laboratory 1 Unit
(Formerly Environmental Science 51L.)
(See general education pages for the requirement this course meets.)
Corequisite: Environmental Science 1L students must also enroll in, or have completed, Environmental Science 1.
Advisory: English Writing 1A or English as a Second Language 5.
Three hours laboratory.
An introduction to environmental science as a branch of the sciences including the scientific method and its relation to the scientific field in a laboratory and field setting. Applications of scientific, environmental, ecological and sustainability principles as they relate to human societies will be explored.

ESCI 19 Environmental Biology 5 Units
(See general education pages for the requirement this course meets.)
Advisory: English Writing 1A or English as a Second Language 5.
Four hours lecture, three hours laboratory.
An introduction to environmental biology as a branch of the environmental sciences and its relation to the scientific field. Review of the principles of environmental biology, ecology and conservation as they relate to natural resource use, the biodiversity crisis, human population growth and the impact on cultural, ethnic and gender groups. (Field trip outside of scheduled class time may be required for this course.)

ESCI 20 Introduction to Biodiversity 5 Units
(See general education pages for the requirement this course meets.)
Advisory: English Writing 1A or English as a Second Language 5, Environmental Science 19.
Four hours lecture, three hours laboratory.
Introduction to biodiversity conservation as a branch of the environmental sciences, conservation biology and related scientific fields. Includes survey of species and ecosystem diversity, elements of biological classification; evolutionary trends and the mechanisms of evolution; ecology and the importance and problems of biodiversity conservation today.

ESCI 21 Biodiversity 2 5 Units
Advisory: English Writing 1A or English as a Second Language 5.
Four hours lecture, three hours laboratory.
A survey of the California Floristic Province, emphasizing the ways California’s biodiversity is sampled and studied. Includes hands-on fieldwork surveying vegetation and animal populations; discussion of societal impacts of biodiversity, loss and conservation; and the importance of biodiversity conservation today. (Off-campus field trips will be required.)
ESCI 82X  2 Units
ESCI 82Y  3 Units
ESCI 82Z  4 Units
Three hours laboratory for each unit of credit.
(Any combination of Environmental Sciences 82, 82X, 82Y and 82Z may be taken up to six times, not to exceed 18 units, as long as the topics are different each time.)

An exploration of the Salinas River Wildlife Corridor as an integral component of the Central Coast Wildlife Corridor Regional Landscape (CCWCLR). This field studies course will emphasize wildlife field identification techniques, animal tracking and bird survey protocols, field observation and data collection. These field studies will assist in the long-term preservation, protection and restoration of native species and ecosystems of the Central Coast Region.

ESCI 84 Central Coast Wildlife Corridors: San Benito River Drainage
ESCI 84X  1 Unit
ESCI 84Y  2 Units
ESCI 84Z  3 Units
ESCI 84Z  4 Units
Three hours laboratory for each unit of credit.
(Any combination of Environmental Sciences 84, 84X, 84Y and 84Z may be taken up to six times, not to exceed 18 units, as long as the topics are different each time.)

An exploration of the San Benito River Wildlife Corridor as an integral component of the Central Coast Wildlife Corridor Regional Landscape (CCWCLR). This field studies course will emphasize wildlife field identification techniques, animal tracking and bird survey protocols, field observation and data collection. These field studies will assist in the long-term preservation, protection and restoration of native species and ecosystems of the Central Coast Region.

ESCI 85 Central Coast Wildlife Corridors: Pajaro River Drainage
ESCI 85X  1 Unit
ESCI 85Y  2 Units
ESCI 85Y  3 Units
ESCI 85Z  4 Units
Three hours laboratory for each unit of credit.
(Any combination of Environmental Sciences 85, 85X, 85Y and 85Z may be taken up to six times, not to exceed 18 units, as long as the topics are different each time.)

An exploration of the Pajaro River drainage Wildlife Corridor as an integral component of the Central Coast Wildlife Corridor Regional Landscape (CCWCLR). This field studies course will emphasize wildlife field identification techniques, animal tracking and bird survey protocols, field observation and data collection. These field studies will assist in the long-term preservation, protection and restoration of native species and ecosystems of the Central Coast Region.

ESCI 86 Central Coast Wildlife Corridors: Pacheco Pass
ESCI 86X  1 Unit
ESCI 86Y  2 Units
ESCI 86Y  3 Units
ESCI 86Z  4 Units
Three hours laboratory for each unit of credit.
(Any combination of Environmental Sciences 86, 86X, 86Y and 86Z may be taken up to six times, not to exceed 18 units, as long as the topics are different each time.)

An exploration of the Pacheco Pass Wildlife Corridor as an integral component of the Central Coast Wildlife Corridor Regional Landscape (CCWCLR). This field studies course will emphasize wildlife field identification techniques, animal tracking and bird survey protocols, field observation and data collection. These field studies will assist in the long-term preservation, protection and restoration of native species and ecosystems of the Central Coast Region.

ESCI 87 Central Coast Wildlife Corridors: Diablo Range
ESCI 87X  1 Unit
ESCI 87X  2 Units
ESCI 87Y  3 Units
ESCI 87Z  1 Unit
Three hours laboratory for each unit of credit.
(Any combination of Environmental Sciences 87, 87X, 87Y and 87Z may be taken up to six times, not to exceed 18 units, as long as the topics are different each time.)

An exploration of the Diablo Range Wildlife Corridor as an integral component of the Central Coast Wildlife Corridor Regional Landscape (CCWCLR). This field studies course will emphasize wildlife field identification techniques, animal tracking and bird survey protocols, field observation and data collection. These field studies will assist in the long-term preservation, protection and restoration of native species and ecosystems of the Central Coast Region.
ESCI 88 Central Coast Wildlife Corridors: Santa Cruz Mountains 1 Unit
ESCI 88X 2 Units
ESCI 88Y 3 Units
ESCI 88Z 4 Units

Three hours laboratory for each unit of credit. (Any combination of Environmental Sciences 88, 88X, 88Y and 88Z may be taken up to six times, not to exceed 18 units, as long as the topics are different each time.)

An exploration of the Central Coast Wildlife Corridor as an integral component of the Central Coast Wildlife Corridor Regional Landscape (CCWCRL). This field studies course will emphasize wildlife field identification techniques, animal tracking and bird survey protocols, field observation and data collection. These field studies will assist in the long-term preservation, protection and restoration of native species and ecosystems of the Central Coast Region.

ESCI 90 Santa Clara County Field Studies: Tule Elk 1 Unit
One hour lecture.
Field observation of the tule elk (cervus elaphus nannodes) found in Santa Clara County, California with an emphasis on habitat utilization, home range characteristics, behaviors and other natural history insights. The underlying social, economic and political issues associated with the near extinction and restoration of this subspecies of North American elk will be discussed. (Off-campus field trips will be required.)

ESCI 91 Santa Clara County Field Studies: American Badger 1 Unit
One hour lecture.
Field observation of the American badger (taxidea taxus) found in Santa Clara County, California with an emphasis on habitat utilization, home range characteristics, behavioral and other natural history insights. The underlying social, economic and political issues associated with the decline and listing as a species of special concern for this mammal will be discussed. (Off-campus field trips will be required.)

ESCI 92 Santa Clara County Field Studies: Raptors 1 Unit
One hour lecture.
Field observation of raptors (bird of prey) found in Santa Clara County, California with an emphasis on the natural history such as habitat utilization, breeding biology, behaviors, identification and migration. Local conservation issues associated with raptors will also be looked at. (Off-campus field trips will be required.)

Environmental Studies

E S 1 Introduction to Environmental Studies 4 Units
(See general education pages for the requirement this course meets.)
Advisory: English Writing 1A or English as a Second Language 5.
Four hours lecture.
An interdisciplinary study of the use of the earth’s natural resources by human civilizations, past and present, and the role that economics, ethics, law, history, politics, culture and gender inequality have played in resource use and distribution. (One field trip may be required outside of class time.)

E S 2 Humans, the Environment, and Sustainability 4 Units
(Formerly Environmental Studies 52.)
(See general education pages for the requirement this course meets.)
Advisory: English Writing 1A or English as a Second Language 5.
Four hours lecture.
A study of human evolution, biology and ecology, including human civilizations, past and present, and the interaction with the environment. Environmental worldviews (ethics), past and present, of the various cultural, ethnic, gender and socioeconomic groups will be explored. (One field trip may be required outside of class time.)

E S 3 Imagery of the Environment 4 Units
(Formerly Environmental Studies 53.)
(See general education pages for the requirement this course meets.)
Advisory: English Writing 1A or English as a Second Language 5.
Four hours lecture.
An introduction to the academic discipline of Environmental Studies through historical and contemporary analysis of nature-based imagery. What those representations indicate about past and present environmental changes will be discussed. Roles of the artist as naturalist, scientist and conservationist will be explored, as well as visual representation by a diverse range of cultural groups. (One field trip outside of class may be required for this course.)

E S 56 Introduction to Environmental Law 4 Units
(Formerly Environmental Studies 60.)
Advisory: English Writing 211 and Reading 211 (or Language Arts 211), or English as a Second Language 272 and 273.
Four hours lecture.
Today’s environmental careers demand proficiency in environmental law. Environmental law is a critical subject of study as it is one of the primary ways that we, as a society, create and establish environmental protections. Includes information regarding laws about land use, energy, natural resources, air, water, and hazardous materials and waste. Current events, citizen action and impacts on various cultural, ethnic, and gender groups will be discussed.

E S 50 Introduction to Pollution Prevention, Hazardous Waste, and Environmental Justice 4 Units
Advisory: English Writing 211 and Reading 211 (or Language Arts 211), or English as a Second Language 272 and 273.
Four hours lecture.
What kind of effects do hazardous wastes have on our health and the health of the environment? How will California, with its increasing population, provide public leadership and innovative solutions regarding environmental justice, green chemistry, and other political, social, and environmental issues? These above topics will be explored with respect to pollution prevention and environmental statutes. Requirements and applications of federal, state and local laws and regulations relating to hazardous materials will be discussed. Cultural, ethnic, socioeconomic, and gender groups will be discussed in depth especially with respect to environmental injustice and racism.

E S 55 Ten Steps to Effective Learning in Environmental Studies 1 Unit
Advisory: English Writing 200 and Reading 200 (or Language Arts 200), or English as a Second Language 261, 262 and 263.
One hour lecture.
Effective learning strategies in environmental studies including energy management technology, conservation biology, environmental education, ecological restoration, watershed management, environmental law, and related coursework. Effective learning strategies throughout all disciplines will be discussed. Students will prepare a personal 10-step learning strategies plan. Emphasis on strategies to enhance learning for all cultural, ethnic, and gender groups.

E S 58 Introduction to Green Building 1 Unit
Advisory: English Writing 200 and Reading 200 (or Language Arts 200), or English as a Second Language 261, 262 and 263.
One hour lecture.
An overview of strategies to implement a green building project within your organization. The strategies include model green building policy and guidelines including LEED (Leadership in Energy and Environmental Design), assembling a green team, assessing the impact of construction and buildings on society, and an overview of key stakeholders in the construction field.

E S 61A Environmental Protection and Pollution Prevention with Emphasis on Local and Regional Communities 4 Units
Advisory: English Writing 211 and Reading 211 (or Language Arts 211), or English as a Second Language 272 and 273; Environmental Studies 6 (may be taken concurrently).
Four hours lecture.
Explores environmental protection and pollution prevention with emphasis on local and regional communities. Topics discussed will include agency missions and guiding principles, agency philosophies, and agency contacts. Agencies participating include Cal/OSHA, County Toxics Enforcement, EPA, Bay Area Air Quality Management District. Environmental impacts on cultural, ethnic, and gender groups will be discussed.

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<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
<th>Advisory Requirements</th>
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<tbody>
<tr>
<td>E S 61B</td>
<td>Environmental Protection and Pollution Prevention with Emphasis on the State and Federal Levels</td>
<td>4</td>
<td>English Writing 211 and Reading 211 (or Language Arts 211), or English as a Second Language 272 and 273; Environmental Studies 1 and 6 (Environmental Studies 60 may be taken concurrently). Four hours lecture. Examines environmental protection and pollution prevention with emphasis on the state and federal levels. Topics discussed will include agency missions and guiding principles, agency philosophies, and agency contacts. For each of the following: California Department of Fish &amp; Game, California Integrated Waste Management Board, California Energy Commission, California Department of Forestry, California Board of Mining and Reclamation, California Environmental Protection Agency, the U.S. Department of Agriculture, the U.S. Department of the Interior, U.S. Fish and Wildlife Service and local boards and commissions. Impacts on cultural, ethnic, and gender groups will be discussed.</td>
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<tr>
<td>E S 62A</td>
<td>Introduction to ISO 14001 and Sustainability Management Plans (SMP)</td>
<td>1</td>
<td>English Writing 200 and Reading 200 (or Language Arts 200), or English as a Second Language 261, 262 and 263. One hour lecture. Explores the emerging field of voluntary compliance of environmental regulation including sustainability management plans (SMP), in the U.S. and abroad. Assess ISO 14001, a voluntary environmental standard developed by the International Organization for Standardization (ISO), as a strategy to minimize an organization’s environmental impact.</td>
</tr>
<tr>
<td>E S 62B</td>
<td>ISO 14001: Environmental Management Systems (EMS) and Sustainability Management Plans (SMP)</td>
<td>1</td>
<td>English Writing 200 and Reading 200 (or Language Arts 200), or English as a Second Language 261, 262 and 263. One hour lecture. The next step in ISO 14001 implementation is the development of an Environmental Management System (EMS) and Sustainability Management Plans (SMP). Explore a step-by-step approach, using a consensus-based model, to develop an ISO 14001 EMS and SMP.</td>
</tr>
<tr>
<td>E S 62C</td>
<td>ISO 14001: Integration of an Environmental Management System (EMS) and Sustainability Management Plan (SMP)</td>
<td>1</td>
<td>English Writing 200 and Reading 200 (or Language Arts 200), or English as a Second Language 261, 262 and 263. One hour lecture. Explores strategies and principles in the adoption, implementation and integration of an ISO 14001 Environmental Management System (EMS) and Sustainability Management Plan (SMP) for an organization including both internal and external stakeholders in environmental management.</td>
</tr>
<tr>
<td>E S 62D</td>
<td>ISO 14001: Voluntary Audit</td>
<td>1</td>
<td>English Writing 200 and Reading 200 (or Language Arts 200), or English as a Second Language 261, 262 and 263. One hour lecture. Explores strategies and procedures utilized in the process of voluntary audits of an ISO 14001 Environmental Management System (EMS)and a Sustainability Management Plan (SMP) by an organization.</td>
</tr>
<tr>
<td>E S 63</td>
<td>Agenda 21: Blueprint for Sustainability</td>
<td>1</td>
<td>One hour lecture. An overview of Agenda 21, an action plan to implement the principles and agreements of the Rio de Janeiro Summit in 1992, the largest-ever meeting of 179 nations. Examines the seven central themes of Agenda 21 to ensure that all people benefit by the implementation of it regardless of race, ethnicity or socioeconomic status.</td>
</tr>
<tr>
<td>E S 64</td>
<td>AB 32 (CA Global Warming Solutions Act of 2006)</td>
<td>1</td>
<td>One hour lecture. An overview of California’s Global Warming Solutions Act of 2006, AB 32. The course also includes an overview of strategies to implement this act within an organization and a look at the reduction of greenhouse gas emissions (GHG) by three percent per year.</td>
</tr>
<tr>
<td>E S 65</td>
<td>Environmental Stewardship</td>
<td>1</td>
<td>English Writing 200 and Reading 200 (or Language Arts 200), or English as a Second Language 261, 262 and 263. One hour lecture. Explores the role of environmental citizenship including personal responsibility and participation in local environmental case studies along the 37th parallel. Develop an understanding of environmental stewardship principles, including those of other cultural, ethnic and gender groups, and the use of such practices in establishing common ground for community-based decision-making.</td>
</tr>
<tr>
<td>E S 66</td>
<td>Environmental Leadership</td>
<td>1</td>
<td>English Writing 200 and Reading 200 (or Language Arts 200), or English as a Second Language 261, 262 and 263. One hour lecture. Explores the role of environmental leadership in the 21st Century, including development and implementation of leadership skills and models. Apply those leadership skills and models developed to address local environmental case studies.</td>
</tr>
<tr>
<td>E S 67</td>
<td>Environmental Team-Building</td>
<td>1</td>
<td>English Writing 200 and Reading 200 (or Language Arts 200), or English as a Second Language 261, 262 and 263. One hour lecture. Explores the concept of team-building in the 21st Century, including development and implementation of team-building skills and models. Apply those team-building skills and models developed to address local environmental case studies.</td>
</tr>
<tr>
<td>E S 68</td>
<td>Community-Based Coalitions and Stakeholders</td>
<td>1</td>
<td>English Writing 200 and Reading 200 (or Language Arts 200), or English as a Second Language 261, 262 and 263. One hour lecture. Explores the concept of community-based coalitions in the 21st Century, including identifying and integrating key stakeholders. Apply the community-based model of collaboration to address local environmental case studies.</td>
</tr>
<tr>
<td>E S 69</td>
<td>Energy Reliability and Your Organization</td>
<td>1</td>
<td>English Writing 211 and Reading 211 (or Language Arts 211), or English as a Second Language 272 and 273. One hour lecture. An overview of strategies to assist in preparing an energy management action plan for your organization and staff. The strategies include model board policy, administrative guidelines, assembling an energy management action team, assessing the impact of energy policy on society, and an overview of key stakeholders in the energy field. (One out-of-class field trip may be required for this course.)</td>
</tr>
<tr>
<td>E S 70</td>
<td>Introduction to Energy Management Technology</td>
<td>1</td>
<td>English Writing 211 and Reading 211 (or Language Arts 211), or English as a Second Language 272 and 273. One hour lecture. An overview of the field of Energy Management and its importance in today’s society, including future implications, and discussion of careers and impact on modern culture and society. This module introduces the whole building concept and related energy and conservation issues including the building envelope, HVAC systems, lighting, energy management and controls and renewable energy technologies. (One out-of-class field trip may be required for this course.)</td>
</tr>
<tr>
<td>E S 71</td>
<td>The Building Envelope</td>
<td>1</td>
<td>English Writing 211 and Reading 211 (or Language Arts 211), or English as a Second Language 272 and 273. One hour lecture. An introduction to the building shell as the primary physical component of any facility. Includes energy flow between the interior and exterior of the building. The goal is to develop a qualitative and analytical understanding of the thermal performance of major building envelope components. Topics include walls, doors, glazing (windows), roofing and building skin as well as climatic responsive building design. (One out-of-class field trip may be required for this course.)</td>
</tr>
<tr>
<td>E S 72</td>
<td>Heating, Ventilating and Air Conditioning (HVAC) Systems</td>
<td>1</td>
<td>English Writing 211 and Reading 211 (or Language Arts 211), or English as a Second Language 272 and 273. One hour lecture. An introduction to HVAC systems, the systems that provide heating, cooling, humidity control, filtration, and comfort control to facilities. Examines various HVAC systems and their interrelationship with other building systems. Students will consider HVAC technologies that can help facilities managers achieve the goals of lowering energy costs, becoming more environmentally friendly, and enhancing indoor air quality. (One out-of-class field trip may be required for this course.)</td>
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<tr>
<td>E S 73</td>
<td>Electric Motors and Drives</td>
<td>1</td>
<td>English Writing 211 and Reading 211 (or Language Arts 211), or English as a Second Language 272 and 273. One hour lecture. Examines the opportunities for lowering energy consumption through energy-efficient motors and motor controls, including an introduction to the technology of high efficiency motors and variable frequency drives. Techniques to increase current carrying capacity, improve voltage to equipment, reduce power losses, and lower electric bills will be discussed. (One out-of-class field trip may be required for this course.)</td>
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Topics include photovoltaic power systems, wind energy systems, and fuel cells. Comparisons between renewable energy systems and conventional power generation when adding power generation capacity for a site or large facility. Life-cycle cost analysis, preventive maintenance, and record keeping techniques will be discussed. Emphasis will be placed on opportunities within a facility’s distribution system to save energy, increase equipment life, and reduce unscheduled outages. (One out-of-class field trip may be required for this course.)

ES 76  Energy Star Products  1 Unit
Advisory: English Writing 200 and Reading 200 (or Language Arts 200), or English as a Second Language 261, 262 and 263.
One hour lecture.
An introduction to Energy Star products including high efficiency, high performance commercial, industrial and residential equipment and appliances that reduce energy consumption and save money.

ES 76A  Solar Thermal Systems  1 Unit
(Formerly Environmental Studies 77.)
Advisory: English Writing 200 and Reading 200 (or Language Arts 200), or English as a Second Language 261, 262 and 263.
One hour lecture.
An overview of solar thermal systems including water heating technologies which reduce energy use to generate hot water including maintaining equipment and insulation, reducing hot water use and water temperatures, reducing heat losses from the system, and utilizing waste heat sources and renewable energy technologies, including solar.

ES 77X  Special Projects in Environmental Studies  1 Unit
Prerequisite: Consent of instructor and division dean.
Three hours laboratory for each unit of credit.
(Any combination of Environmental Studies 77X, 77Y and 77Z may be taken up to six times, not to exceed 18 units, as long as the projects are different each time.)
Individual research in environmental studies. Specific projects determined on consultation with the instructor. Outside reading and written report required.

ES 78  Energy Management Systems and Controls  1 Unit
Advisory: English Writing 211 and Reading 211 (or Language Arts 211), or English as a Second Language 272 and 273.
One hour lecture.
Describes the most commonly used controls and energy management systems in commercial and institutional applications. Topics will include complex automatic systems for major energy-consuming equipment, as well as simple controls, including time clocks, occupancy sensors, photocells, and programmable thermostats. Computer-based energy management systems, as well as control systems to reduce peak electrical demand will be discussed. (One out-of-class field trip may be required for this course.)

ES 79  Renewable and Alternative Energy Systems  1 Unit
Advisory: English Writing 211 and Reading 211 (or Language Arts 211), or English as a Second Language 272 and 273.
One hour lecture.
An introduction to the potential for renewable and alternative energy systems when adding power generation capacity for a site or large facility. Life-cycle cost comparisons between renewable energy systems and conventional power generation and the added potential of reducing peak power demand will be emphasized. Topics include photovoltaic power systems, wind energy systems, and fuel cells. (One out-of-class field trip may be required for this course.)

ES 80  California Field Studies  1 Unit
Advisory: English Writing 211 and Reading 211 (or Language Arts 211), or English as a Second Language 272 and 273.
One hour lecture for each unit of credit.
Field observation of California’s native plants and animals in aquatic and terrestrial ecosystems, with an emphasis on endangered, rare, protected and reintroduced species. The underlying social, economic and political issues associated with habitat and species loss will be discussed, as well as impacts on various cultural, ethnic and socioeconomic groups. (Off-campus field trips may be required.)

ES 80A  California Native Plants and Animals  2 Units
Advisory: English Writing 211 and Reading 211 (or Language Arts 211), or English as a Second Language 272 and 273.
Two hours lecture. (Field project required.)
Environmental education and interpretative techniques focusing on the native plants and animals of California with an emphasis on local case studies and endangered species. Interpretative techniques utilized in environmental education will be reviewed. Prepares students to lead tours of the Cheeseman Environmental Study Area’s outdoor lab. Teaching environmental education and interpretive techniques to various ethnic, cultural and socioeconomic groups will be explored.

ES 85B  Cheeseman Environmental Study Area Interpretive Training and Other Docent Activities  2 Units
Advisory: English Writing 211 and Reading 211 (or Language Arts 211), or English as a Second Language 272 and 273.
One hour lecture, three hours laboratory.
Interpretative techniques of environmental education and environmental outreach utilizing the Cheeseman Environmental Study Area outdoor lab and the Kirsch Center for Environmental Studies. Students will refine the techniques required for leading tours and interpreting California native plant and animal communities in the Environmental Study Area, as well as in any other outdoor settings. Students will lead tours through the Cheeseman Environmental Study Area and the Kirsch Center for Environmental Studies. Strategies for teaching environmental education and nature-based learning with various cultural, ethnic and socio-economic groups will also be explored. (Off-campus field trips are required for this course.)

ES 86  Global Field Studies  4 Units
Advisory: English Writing 211 and Reading 211 (or Language Arts 211), or English as a Second Language 272 and 273.
Four hours lecture.
Field observation of the native plants and animals of aquatic and terrestrial ecosystems of various natural areas worldwide, including tropical regions of the Americas, with an emphasis on endangered, rare, protected and reintroduced species. Social, economic and political issues associated with habitat and species loss as well as the impacts on cultural, ethnic and socioeconomic groups will be explored. (Field trip required. Note that this field studies class may require a trip abroad.)

ES 90  Environmental Research and Field Methods  4 Units
Advisory: English Writing 211 and Reading 211 (or Language Arts 211), or English as a Second Language 272 and 273.
Four hours lecture.
Explores the various methods used to conduct research and field studies on environmental topics. Application of legal policy and field research principles and techniques, including review of local case studies. Preparation of press releases, reports on current environmental issues, persuasive oral advocacy of environmental topics and case law research.

ES 91X  Environmental Education and Nature Based Learning  2 Units
(Formerly Environmental Studies 100X and 100Z respectively.)
Credit course - Does not apply to De Anza Associate degree.
Advisory: English Writing 211 and Reading 211 (or Language Arts 211), or English as a Second Language 272 and 273.
One hour lecture for each unit of credit.
Environmental education for educators emphasizing environmental and ecological concepts, nature-based learning and other curricula, interpretive techniques, development of classroom lesson plans, a review of field trip sites and other resources available to educators. The Cheeseman Environmental Studies Area and local field sites will be explored. Teaching environmental curriculum to various cultural, ethnic and socioeconomic groups will be discussed. (Local field trips may be required.)
E S 93 Sustainability Across the Curriculum 1 Unit
One hour lecture.
An overview of strategies needed to implement sustainability courses across the curriculum in academic institutions utilizing the seven central themes of Agenda 21. The critical role of education and educators in communicating the link between human and planetary health and in building a sustainable society will be examined.

E S 95 Introduction to Environmental Careers 1 Unit
Advisory: English Writing 211 and Reading 211 (or Language Arts 211), or English as a Second Language 272 and 273.
One hour lecture.
Learn about saving the planet through environmental careers, including ecosystem management, restoration ecology, corridors ecology, energy management technology, environmental stewardship, environmental education, watershed management, environmental law, pollution prevention and more. Opportunities for internships and employment in business, industry, public agencies, academia and nonprofit agencies will be explored. Students will prepare an academic plan for their two- or four-year degree, certificate or workplace.

E S 95A Environmental Studies Internship 1 Unit
E S 95B 2 Units
E S 95C 3 Units
E S 95D 4 Units
Advisory: English Writing 211 and Reading 211 (or Language Arts 211), or English as a Second Language 272 and 273.
One hour lecture for each unit of credit.
A work experience internship Seminar. The seminar will prepare student interns for internships in business, industry or government related to the student’s field of study. The internship must occur during the last year of study prior to completion of a degree or certificate program.

Film and Television Production

F/TV 1 Introduction to Film 4 Units
(See general education pages for the requirement this course meets.)
Advisory: English Writing 1A or English as a Second Language 5.
(Also listed as English Literature 1. Student may enroll in either department, but not both, for credit.)
Four hours lecture.
An introduction to the international art of cinema through the techniques and procedures of filmmaking, including screenwriting, cinematography, directing, editing, and sound; through the formal properties of film, such as mise en scène, structure, and style; through the relationships between film and society, and through the critical analysis of works of film art.

F/TV 2A History of Cinema (1895-1950) 4 Units
F/TV 2AW 4 1/2 Units
(See general education pages for the requirement this course meets.)
Advisory: English Writing 1A or English as a Second Language 5.
(Students may enroll in either Film/Television 2A or Film/Television 2AW, but not both, for credit.)
One hour lecture for each unit of credit.
A survey of the international development of the motion picture to 1950 as a distinct form of artistic expression, through classic films, notable artists, and key events; an investigation of the aesthetic, technological, economic, and social factors that contributed to the evolution of film; an examination of the value systems reflected in and shaped by these works from diverse cultures. Film/Television 2AW will cover expanded topics in historiography, such as problems and approaches to historical film research and analysis.

F/TV 2B History of Cinema (1950-Present) 4 Units
F/TV 2BW 4 1/2 Units
(See general education pages for the requirement this course meets.)
Advisory: English Writing 1A or English as a Second Language 5.
(Students may enroll in either Film/Television 2B or Film/Television 2BW, but not both, for credit.)
One hour lecture for each unit of credit.
A survey of the international development of the motion picture since 1950 as a distinct form of artistic expression, through classic films, notable artists, and key events; an investigation of the aesthetic, technological, economic, and social factors that contributed to the evolution of film; an examination of the value systems reflected in and shaped by these works from diverse cultures. Film/Television 2BW will cover expanded topics in historiography, such as problems and approaches to historical film research and analysis.

F/TV 10 Introduction to Electronic Media 4 Units
(See general education pages for the requirement this course meets.)
Advisory: English Writing 1A or English as a Second Language 5.
(Also listed as Humanities 17. Student may enroll in either department, but not both, for credit.)
Four hours lecture.
A survey course of the history, aesthetics, technology and social impacts of electronic media, including film, broadcasting and the Internet. Explores the role of government, advertising, audiences, and emerging technologies, their futures and impacts on global societies.