EES 4950 Honors Thesis in Environmental Engineering 1-3 (1-3) Study of the dynamic role of environmental engineering in maintaining environmental quality. A comprehensive study of any phase of environmental engineering. May be repeated for credit, but only if different topics are covered. Prereg: Consent of department chair.

EES 4950 Honors Thesis in Environmental Engineering 1 (1) Continuation of EES 4000. Students complete their honors thesis in environmental engineering and give an oral presentation of the results. Prereg: EES 4000 and consent of instructor and membership in the Callhoun Honors College.

EXECUTIVE LEADERSHIP AND ENTREPRENEURSHIP

Associate Professors: J.E. Hopkins

Assistant Professors: A.E. Ingram, J.W. Ridge; Lecturer: J.E. Hopkins

ELE 3010 Introduction to Entrepreneurship 3 (3)

An overview of entrepreneurship topics: opportunity creation and discovery, business concepts and business models, feasibility and business plans. Financial, managerial, legal, social and ethical issues are also addressed. Prereg: MGT 2010.

ELE (MKT) 3140 New Venture Creation I 3 (3)

Continuation of EES 4000. Focuses on creativity, idea generation, market opportunity assessment, project management, and cross-functional team building. Prereg: Junior standing in the College of Engineering and Science.

ELE 4010 Executive Leadership and Entrepreneurship II 3 (3) Continuation of ELE 3010 with extensive use of a computer-simulated business start-up. Prereg: ELE 3010.

ELE (AGM) 4190 Agribusiness Innovation and Entrepreneurship 3 (3) Emphasis on assessing students' abilities as agribusiness entrepreneurs, evaluating the feasibility of a business idea, creating strategies for organizing and marketing the agricultural business, exploring earning for products or services, developing capital needs and sound financial statements, and researching, developing, and writing a comprehensive plan for the business. May also be offered as AGM 4190. Prereg: AGM 2190 or AGM 3190 or AGRB 3020 or AGRB 3190 or MGT 3190.

ELE 4990 Executive Leadership and Entrepreneurship III 3-6 (3-6) Continuation of ELE 3010 and 4010. Directed practical study of entrepreneurship and leadership. Students work closely with external firms to develop new products and bring existing products to market successfully. Prereg: ELE 4010.

ENGINEERING MECHANICS

Professors: N.M. Aziz, S.D. Schiff; Assistant Professors: N.B. Kaye, W. Pang, F.Y. Testik; Senior Lecturers: B.G. Nielsen, M.M. Sternhagen


ENGLISH


ENGL 1010 Composition I 3 (3) Training in correct and effective expression in brief expository essays; review of the fundamentals of grammar and punctuation; instruction in common expository methods.

ENGL 1020 Composition II 3 (3) Continued emphasis on correct and effective expression; training in the organization and writing of the research report. Prereg: ENGL 1010.

ENGL 1030 Accelerated Composition 3 (3) Training in composing correct and effective expository and argumentative essays, including writing documented essays. Students who have received credit for ENGL 1020 will not be allowed to enroll in or receive credit for ENGL 1030. Includes Honors sections. Coreq: ENGL 1031.

ENGL 1031 Accelerated Composition Laboratory 0 (0) Non-credit laboratory to accompany ENGL 1030. Coreq: ENGL 1030.

ENGL 1110 English as a Second Language 3 (3) Special course for students learning English as a second language. Intensive study and drill in American English pronunciation and listening comprehension. Required of all foreign students who do not make a satisfactory grade on screening examination in oral English. To be taken Pass/No Pass only. Carries no credit for graduation. Coreq: ENGL 1111.

ENGL 1111 English as a Second Language Laboratory 0 (0) Non-credit laboratory to accompany ENGL 1110. Coreq: ENGL 1110.

ENGL 2020 The Major Forms of Literature 3 (3) Study of the basic structures and elements of fiction, poetry, and drama, including literary and critical theory, with readings in American, British, and world literature. Proficiency in composition must be demonstrated. Includes Honors sections. Prereg: ENGL 1030.

ENGL 2120 World Literature 3 (3) Introduction to selected works from the Americas, Africa, Asia, Europe, and the Middle East from ancient to modern eras, with emphasis on major authors. Includes Honors sections. Prereg: ENGL 1030.

ENGL 2130 British Literature 3 (3) Introduction to selected authors and major periods of the British literary tradition, from the Middle Ages to World War II, with attention to poetry, fiction, and drama. Includes Honors sections. Prereg: ENGL 1030.

ENGL 2140 American Literature 3 (3) Introduction to selected authors and major periods of the American literary tradition from 1620 to 1945. Includes Honors sections. Prereg: ENGL 1030.

ENGL 2150 Literature in 20th- and 21st-Century Contexts 3 (3) Introduction to major contemporary cultural movements via selected authors in 20th- and 21st-century literature, primarily American and British, with attention to poetry, fiction, and drama since World War II. Includes Honors sections. Prereg: ENGL 1030.

ENGL 2310 Introduction to Journalism 3 (3) Instruction and practice in writing for mass media; editorial responsibilities. Prereg: ENGL 1030.

ENGL 3000 Professional Development 2 (2) Orientation to the English major as a discipline and as a preparation for a range of careers. Introduction to and assistance with the compilation of the digital portfolio as a place to collect, synthesize and reflect on learning.
ENGL 3010 Great Books of the Western World 3 (3) Introduces Great Works minor. Includes readings about the Great Books concept, as well as various great books from the humanities, arts and natural and social sciences. Includes Honors sections. May also be offered as GW 3010. Preq: ENGL 2020 or ENGL 2120 or ENGL 2130 or ENGL 2140 or ENGL 2150.

ENGL 3040 Business Writing 3 (3) Introduction to audience, context, purpose, and writing strategies for texts common in professional business settings: memoranda, letters, reports, and proposals. Includes individual and team projects. Preq: Junior standing.

ENGL 3100 Critical Writing About Literature 3 (3) Terms and techniques for literary analysis, including close reading, vocabulary for analysis, research and writing skills, casebook study of critical approaches. Discussion of poetry and genres preferred. Preq or concurrent enrollment: ENGL 2020 or ENGL 2120 or ENGL 2130 or ENGL 2140 or ENGL 2150.

ENGL 3120 Advanced Composition 3 (3) Workshop in practical writing focusing on principles and style. Preq: ENGL 2020 or ENGL 2120 or ENGL 2130 or ENGL 2140 or ENGL 2150.

ENGL 3140 Technical Writing 3 (3) Intensive, project-based application of principles of audience, context, purpose, and writing strategies of technical writing: proposals, reports, communication deliverables. Individual and team projects. Includes Honors sections. Preq: Junior standing.

ENGL 3150 Scientific Writing and Communication 3 (3) Study and practice of rhetorical conventions in professional scientific communication through the analysis and writing of major genres. Focuses on principles, strategies, and styles of scientific argumentation and audience adaptation in written, oral, and visual media. Intended for students majoring in the sciences. Preq: ENGL 1030; and BIOL 1030 or BIOL 1100; and Junior standing.

ENGL 3160 Visual Communication 3 (3) Hands-on survey of visual communication theories and practices used by technical communicators in business and industry environments. Class meets regularly in computer classrooms. Preq: ENGL 2020 or ENGL 2120 or ENGL 2130 or ENGL 2140 or ENGL 2150.

ENGL 3300 Writing for the News Media 3 (3) Practical experience in gathering and writing news and feature copy for the media, preparing for an array of writing styles as demanded by the broad spectrum of print and media outlets. Examination of the modern media specialist, laws governing the profession, and journalistic ethics. Preq: ENGL 2130.

ENGL 3370 Creative Inquiry: English 1-3 (1-3) Students pursue scholarly activities individually or in teams under the direction of a faculty member. Creative Inquiry projects may be interdisciplinary. Arrangements with faculty must be established prior to registration. May be repeated for a maximum of nine credits. Preq: Consent of instructor.

ENGL 3450 The Structure of Fiction 3 (3) Introduction to the creative writing and critical study of prose fiction.

ENGL 3460 The Structure of Poetry 3 (3) Introduction to the creative writing and critical study of poetry.

ENGL (THEA) 3470 The Structure of Drama 3 (3) Introduction to the creative writing and critical study of drama. May also be offered as THEA 3470.

ENGL 3480 The Structure of the Screenplay 3 (3) Introduction to the creative writing and critical study of the screenplay. Screenplays vary from semester to semester. May be repeated once for credit with consent of instructor.

ENGL 3490 Technology and the Popular Imagination 3 (3) Examines relationship between technology and fiction and creative nonfictional texts, including print, film, and electronic media. Preq: ENGL 2020 or ENGL 2120 or ENGL 2130 or ENGL 2140 or ENGL 2150.

ENGL 3500 Mythology 3 (3) Study of the great myths of the world emphasizing their applications to literature. Preq: ENGL 2020 or ENGL 2120 or ENGL 2130 or ENGL 2140 or ENGL 2150.

ENGL 3530 American Literatures of Race, Ethnicity and Migration 3 (3) Examination of U.S. American literary texts that respond to the histories and competing theories of race, ethnicity, migration, empire or diaspora. May include attention to Native American, African American, Latina/o, Chicana/o, Asian American, Jewish American, and Arab American literature. Preq: ENGL 2020 or ENGL 2120 or ENGL 2130 or ENGL 2140 or ENGL 2150.

ENGL 3540 Literature of the Middle East and North Africa 3 (3) A study of literary texts of the Middle East and North Africa, with emphasis on literature originally published in languages such as Arabic, Persian, Turkish or Hebrew. Attention may be given to translation, diaspora and migration within or from the region. Conducted in English. No knowledge of foreign languages is required. Preq: ENGL 2020 or ENGL 2120 or ENGL 2130 or ENGL 2140 or ENGL 2150.

ENGL 3550 Global Studies in Popular Culture 3 (3) Examination of the nature, functions, history, and effect of global culture upon societies throughout our digitally connected world of media, such as best sellers, popular magazines, television, movies, Internet, gaming platforms, and emerging electronic genres. Preq: ENGL 2020 or ENGL 2120 or ENGL 2130 or ENGL 2140 or ENGL 2150.

ENGL 3560 Science Fiction 3 (3) Readings in science fiction from the 17th century to the present, with special emphasis on writers since Verne and Wells. Preq: ENGL 2020 or ENGL 2120 or ENGL 2130 or ENGL 2140 or ENGL 2150.

ENGL 3570 Film 3 (2) Examination of the film medium as an art form: its history, how films are made, why certain types of films (western, horror movies, etc.) have become popular, and how critical theories provide standards for judging film. Preq: ENGL 2020 or ENGL 2120 or ENGL 2130 or ENGL 2140 or ENGL 2150. Coreq: ENGL 3571.

ENGL 3571 Film Laboratory 0 (0) Non-credit laboratory to accompany ENGL 3570. Coreq: ENGL 3570.

ENGL 3670 Special Topics for Honors Students 3 (3) Varied topics of general interest in literature, language, rhetoric, or culture for all honors students. Specific topics announced each semester. May be repeated for a maximum of nine credits. Preq: ENGL 2020 or ENGL 2120 or ENGL 2130 or ENGL 2140 or ENGL 2150.

ENGL 3800 British and American Women Writers 3 (3) Poetry, drama, fiction, and prose by established and little-known women writers in Britain and America. Particular attention to works treating themes and issues concerning women's lives. Readings on such topics as women and work, education, religion, creativity. Preq: ENGL 2020 or ENGL 2120 or ENGL 2130 or ENGL 2140 or ENGL 2150.

ENGL 3850 Childrens Literature 3 (3) Reading and analysis in a wide range of authors, illustrators, and genres appropriate for children from preschool through eighth grade, classic as well as modern. Critical approaches include historical, thematic, and social. Preq: ENGL 2020 or ENGL 2120 or ENGL 2130 or ENGL 2140 or ENGL 2150.

ENGL 3860 Adolescent Literature 3 (3) Reading and analysis of literature written for readers ages 12–18. Emphasis is on historical context, chief themes and motifs, and censorship issues, as well as connections with classic literature. Preq: ENGL 2020 or ENGL 2120 or ENGL 2130 or ENGL 2140 or ENGL 2150.

ENGL 3960 British Literature Survey I 3 (3) Examines key texts in British literature to 1789. Preq: ENGL 2020 or ENGL 2120 or ENGL 2130 or ENGL 2140 or ENGL 2150.

ENGL 3970 British Literature Survey II 3 (3) Examines key texts of British literature from 1789 to the present. Preq: ENGL 2020 or ENGL 2120 or ENGL 2130 or ENGL 2140 or ENGL 2150.

ENGL 3980 American Literature Survey I 3 (3) Examines key texts of American literature from beginnings of European settlement to the Civil War in historical context. Preq: ENGL 2020 or ENGL 2120 or ENGL 2130 or ENGL 2140 or ENGL 2150.

ENGL 3990 American Literature Survey II 3 (3) Examines key texts of American literature from the Civil War to the present in historical context. Preq: ENGL 2020 or ENGL 2120 or ENGL 2130 or ENGL 2140 or ENGL 2150.

ENGL 4000* The English Language 3 (3) Studies in English usage and historical development of the language. Preq: ENGL 3100.

ENGL 4010* Grammar Survey 3 (3) Survey of modern grammars with a focus on exploring the impact structural grammar has had on traditional grammar. Recommended for English teachers. Preq: ENGL 3100.

ENGL 4030 The Classics in Translation 3 (3) Examination of Homer’s Iliad and Odyssey, Virgil’s Aeneid, and Ovid’s Metamorphoses. A few shorter works by other Greek and Roman writers may also be read. Preq: ENGL 3100.

ENGL 4070* The Medieval Period 3 (3) Selected works of Old and Middle English literature, exclusive of Chaucer. Preq: ENGL 3100.

ENGL 4080* Chaucer 3 (3) Selected readings in Middle English from The Canterbury Tales and other works by Chaucer. Preq: ENGL 3100.

ENGL 4100* Drama of English Renaissance 3 (3) Selected readings in non-Shakespearean dramatic literature of the 16th and 17th centuries. Preq: ENGL 3100.

ENGL 4110* Shakespeare 3 (3) Study of selected tragedies, comedies, and history plays of Shakespeare. Required of all English majors. Preq or concurrent enrollment: ENGL 3100.
ENGL 4140 Milton 3 (3) Development of Milton’s art and thought from the minor poems and selected prose through Paradise Lost, Paradise Regained, and Samson Agonistes, set against the background of the late Renaissance. Preq: ENGL 3100.

ENGL 4150* The Restoration and Eighteenth Century 3 (3) Readings in Dryden, Swift, Pope, and Dr. Johnson. Preq: ENGL 3100.

ENGL 4160* The Romantic Period 3 (3) Readings from the poetry and critical prose of Blake, Wordsworth, Coleridge, Byron, Shelley, Keats, and other representative figures. Preq: ENGL 3100.

ENGL 4170* The Victorian Period 3 (3) Reading from the poetry and nonfiction prose of selected Victorian authors, including works of Carlyle, Tennyson, Browning, Arnold, and other representative figures. Preq: ENGL 3100.

ENGL 4180* The English Novel 3 (3) Study of the English novel from its 18th century beginnings through the Victorian Period. Preq: ENGL 3100.

ENGL 4190* Postcolonial and World Literatures 3 (3) Selected readings in post-colonial literature and theory, focusing on issues of nationalism, migration, resistance, race, language, and master narratives. Preq: ENGL 3100.

ENGL 4200* American Literature to 1799 3 (3) Focused study of authors, movements, themes, critical approaches, and genres in literature of colonial and early national America from early European explorations of the continent to 1799. Preq: ENGL 3100.

ENGL 4210* American Literature from 1800 to 1899 3 (3) Focused study of authors, movements, themes, critical approaches, and genres in the poetry and prose of major American authors and literary movements from the nineteenth century. Preq: ENGL 3100.

ENGL 4220 Topics in Writing Poetry 3 (3) Examines the craft, technique and/or formal choices of one or more contemporary poets. Emphasizes the practice of writing poetry. Preq: ENGL 3450 or ENGL 3460 or ENGL 3470 or ENGL 3480.

ENGL 4230 Topics in Writing Fiction 3(3) Examines the craft, technique and stylistic choices of one or more contemporary fiction writers. Emphasizes the practice of writing fiction. Preq: ENGL 3450 or ENGL 3460 or ENGL 3470 or ENGL 3480.

ENGL 4250* The American Novel 3 (3) Survey of the most significant forms and themes of the American novel from its beginnings to 1900. Preq: ENGL 3100.

ENGL 4260* Southern Literature 3 (3) Intellectual and literary achievement of the South from 1607 to the present, with emphasis on the writers of the 19th century. Preq: ENGL 3100.

ENGL 4280* Contemporary Literature 3 (3) Focuses on American, British, and other fiction, poetry, and drama from Post-World War II to the present. Preq: ENGL 3100.

ENGL (THEA) 4290 Dramatic Literature I 3 (3) Selected reading in the dramatic literature from the classical era of Greece and Rome to the Renaissance. May also be offered as THEA 4290. Preq: ENGL 3100.

ENGL (THEA) 4300 Dramatic Literature II 3 (3) Principles and progress of drama from the Restoration to the present; analysis of representative plays; critical reports; discussion of trends in dramatic literature. May also be offered as THEA 4300. Preq: ENGL 3100.

ENGL 4310* Modern Poetry 3 (3) The modern tradition in English and American poetry from Yeats to the present; relevant critical essays. Preq: ENGL 3100.


ENGL 4340* Environmental Literature 3 (3) Survey of literature that examines the relationship between human beings and the natural world, including analysis of environmental themes in myths and legends and in selected poetry and prose of 19th and 20th-century England and America. Preq: ENGL 3100.

ENGL 4350* Literary Criticism 3 (3) Major critical approaches to literature. Preq: ENGL 3100.

ENGL (WS) 4360 Feminist Literary Criticism 3 (3) Introduces the seminal works of feminist literary theory and criticism. Outlines the development of modern literary criticism by studying feminist versions of the major critical methodologies. May also be offered as WS 4360. Preq: ENGL 3100.

ENGL 4370* Directed Studies 1-3 (1-3) Class and tutorial work for students with special interests or projects in American, British, or European literature outside the scope of existing courses. Applications must be approved during the registration period of the semester preceding the one in which directed studies will occur. May be repeated once. Coreq: ENGL 3100.

ENGL 4380 Departmental Honors Research 3 (3) Research for the preparation of an honors project. Preq: ENGL 3100.

ENGL 4390 Departmental Honors Project 3 (3) Preparation of an honors project. Preq: ENGL 4380.

ENGL 4400* Literary Theory 3 (3) Examination of how approaches such as Marxism, Psychoanalysis, Feminism, Deconstruction, New Historicism, Post-Colonialism, Cultural Studies, and Queer Theory answer the question, “What is literature?” Preq: ENGL 3100.

ENGL 4410* Literary Editing 3 (3) Examination of how the theories and practices of editing construct texts, stressing the problems and objectives of editing and providing practical experience with literary editing. Preq: ENGL 2020 or ENGL 2120 or ENGL 2130 or ENGL 2140 or ENGL 2150.

ENGL 4420* Cultural Studies 3 (3) Investigation of the similarities and connections between a wide variety of cultural products, events, and practices - from fast food to opera to online shopping - using theories ranging from Marxism to hybridity. Preq: ENGL 3100.

ENGL 4430 Theories of World Literature 3 (3) Examination of the historical and contemporary theories of world literature, including theories of worldliness, planetary, globalism, and late capitalism. These theories are used in pursuit of world literature on a worldwide and planetary scale. Preq: ENGL 3100.

ENGL 4440* Renaissance Literature 3 (3) Selected readings in non-Shakespearean British literature from 1500–1660. Includes drama, poetry, and prose. Preq: ENGL 3100.

ENGL 4450* Fiction Workshop 3 (3) Workshop in the creative writing of prose fiction. May be repeated once for credit. Preq: ENGL 3450.

ENGL 4460* Poetry Workshop 3 (3) Workshop in the creative writing of poetry. May be repeated once for credit. Preq: ENGL 3460.

ENGL (THEA) 4470* Playwriting Workshop 3 (3) Workshop in the creative writing of plays. May be repeated once. May also be offered as THEA 4470. Preq: ENGL 3470 or THEA 3470.

ENGL 4480* Screenwriting Workshop 3 (3) Workshop in the creative writing of screenplays. May be repeated once for credit. Preq: ENGL 3480.

ENGL 4490 Creative Non-Fiction 3 (3) Advanced workshop in writing non-fiction prose for magazine and freelance markets. Preq: ENGL 3450 or ENGL 3460.

ENGL 4500* Film Genres 3 (2) Advanced study of films that have similar subjects, themes, and techniques, including such genres as the Western, horror, gangster, science fiction, musical, and/or screwball comedy. Also considers nontraditional genres, screen irony, genre theory, and historical evolution of genres. Topics vary. Preq: ENGL 3570. Coreq: ENGL 4501.

ENGL 4501* Film Genres Laboratory 0 (3) Non-credit laboratory to accompany ENGL 4500. Coreq: ENGL 4500.

ENGL (COMM) 4510 Film Theory and Criticism 3 (2) Advanced study into the theory of film/video making emphasizing understanding a variety of critical methods to approach a film. Examines the history of film theory and defines the many schools of film criticism, including realism, formalism, feminism, semiotics, Marxism, and expressionism. May also be offered as COMM 4510. Preq: ENGL 3570. Coreq: ENGL 4511.

ENGL (COMM) 4511* Film Theory and Criticism Laboratory 0 (3) Non-credit laboratory to accompany ENGL 4510. May also be offered as COMM 4511. Coreq: ENGL 4510.

ENGL 4520* Great Directors 3 (2) Intensive study of one to three film directors emphasizing understanding the entire canon of each director. Students study similarities in techniques, shifts in thematic emphasis, and critical methodologies for approaching the works of each director. Topics vary. Preq: ENGL 3570. Coreq: ENGL 4521.

ENGL 4521* Great Directors Laboratory 0 (3) Non-credit laboratory to accompany ENGL 4520. Coreq: ENGL 4520.
ENGL 4531* Sexuality and the Cinema Laboratory 0 (3) Non-credit laboratory to accompany ENGL 4530. Coreq: ENGL 4530.

ENGL (LANG) 4540 Selected Topics in International Film 3 (2) Presents subtitles films of specific world cultures and basic film theory and discourse applicable to the selected areas. Taught in English. May be repeated for a maximum of six credits with consent of department chair. May also be offered as LANG 4540. Prereq: ENGL 3100. Coreq: ENGL 4541.

ENGL (LANG) 4541 Selected Topics in International Film Laboratory 0 (3) Non-credit laboratory to accompany ENGL 4540. May also be offered as LANG 4541. Coreq: ENGL 4540.

ENGL 4550* American Humor 3 (3) Native American humor of the 19th and 20th centuries. Prereq: ENGL 3100.

ENGL 4560* Classical Rhetoric 3 (3) Traces the development of rhetoric from Protagoras through Isocrates, Plato, Aristotle, Cicero and Quintillian and considers questions essential to understanding persuasive theory and practice. May also be offered as COMM 4910. Prereq: ENGL 3100.

ENGL 4580* Digital Literacy 3 (3) Examines how technology has expanded ideas of literacies and texts. Includes reading, studying and analyzing print and digital texts to determine how digital techniques change patterns of reading and how readers make sense of electronic texts. Prereq: ENGL 3100.

ENGL 4590* Special Topics in Language, Criticism, Theory 3 (3) Advanced studies in topics not central to other English courses, such as certain authors, works, genres, themes, or areas of knowledge and culture. Specific topics are announced when offered. May be repeated once for credit with department chair's consent. Prereq: ENGL 3100.

ENGL 4600* Issues in Writing Technologies 3 (3) Examines writing technologies from different historical periods. Investigates how writing is understood, circulated, legislated, and protected in terms of its production technology. Prereq: ENGL 3100; and ENGL 2020 or ENGL 2120 or ENGL 2130 or ENGL 2140 or ENGL 2150.

ENGL 4630* Topics in Literature to 1699 3 (3) Selected readings in literature from antiquity through the 17th century for focused study of authors, movements, themes, critical approaches, and genres. Topics vary and are constructed by individual faculty. May be repeated for a maximum of six credits, but only if different topics are covered. Prereq: ENGL 3100.

ENGL 4640* Topics in Literature from 1700 to 1899 3 (3) Selected readings in 18th- and 19th-century literature for focused study of authors, movements, themes, critical approaches, and genres. Special topics vary and are constructed by individual faculty. May be repeated for a maximum of six credits, but only if different topics are covered. Prereq: ENGL 3100.