

- 661 Advanced Project Management. 3 hrs.**
Course is designed to increase proficiency in the advanced aspects of project management. Participants will become aware of all the project management processes in PMI's *Project Management Body of Knowledge*. (PR: EM 660)
- 664 Management of Research & Development Organizations. 3 hrs.**
Techniques and methods for effective management of research and development organizations, projects, and personnel. (PR: EM 601)
- 665 Management of Engineering Organizations. 3 hrs.**
Techniques and methods for effective management of engineering firms, departments, and personnel. (PR: EM 601)
- 668 Operations Management. 3 hrs.**
Examination of the quantitative and conceptual tools for generating goods and services in manufacturing and non-manufacturing organizations.
- 670 Seminar in Engineering Management. 3 hrs.**
Provides the student an opportunity to examine issues in engineering management and to evaluate their consequences in organizations, in the profession, and in society. (PR: Consent)
- 675 Engineering Economics. 3 hrs.**
The concepts and methods for the financial calculations involving time value of money and uncertainty. Capital and departmental budgeting processes and engineering inputs to cost accounting. (PR: Consent)
- 694 Engineering Law. 3 hrs.**
The American legal system, contracts and specifications, liability of professional engineers, product liability, agency relationships, patent and proprietary rights, and special problems in contracts are studied.

ENGLISH (ENG)

- 502 Composition and Rhetoric for Teachers. 3 hrs. S.**
Study of rhetorical invention and models of composing process, with intensive practice in writing.
- 508 Advanced Expository Writing. 3 hrs.**
An advanced general composition course. Practice in the rhetorical types and styles used by professionals in all fields. Assignments adapted to the student's major.
- 509 Milton. 3 hrs.**
Biographical and critical study, including Milton's English poetry and prose, and his literary and intellectual milieu.
- 510 Shakespeare's Comedies, Tragicomedies, and Romances. 3 hrs.**
Intensive study of Shakespeare's comedies, tragicomedies, and late romances. Also includes the Sonnets and Venus and Adonis.
- 511 Chaucer. 3 hrs.**
The poetry of Chaucer, including the Canterbury Tales, in the light of medieval tradition and critical analysis.
- 512 Shakespeare's Histories and Tragedies. 3 hrs.**
Intensive study of Shakespeare's Histories and Tragedies.
- 513 British Novel to 1800. 3 hrs.**
Defoe, Richardson, Fielding, Smollett, and Sterne, with supporting study of their most important predecessors and contemporaries.
- 514 Nineteenth-Century British Novel. 3 hrs.**
Austen, Scott, the Brontes, Eliot, Dickens, Thackeray, Trollope, Meredith, Hardy, Butler, Wilde, and their contemporaries.
- 515 Victorian Poetry. 3 hrs.**
Emphasis on Tennyson, the Brownings, Arnold, Hopkins, Christina Rossetti, Hardy and the pre-Raphaelites.
- 517 British Drama to 1642. 3 hrs.**
Non-Shakespearean British drama from its beginnings to the closing of the theatres.
- 519 Approaches to Teaching Literature. 3 hrs.**
The intensive study of the pedagogy of literature and literary critical theory and its classroom applications.
- 521 American Literature to 1830. 3 hrs.**
Study of American literature of the Puritan, Colonial, and Federal periods, including such authors as Jonathan Edwards, Edward Taylor, Anne Bradstreet, Benjamin Franklin, Phillis Wheatley, Washington Irving, and Catharine Maria Sedgwick.
- 522 American Literature, 1830-1865. 3 hrs.**
American literature of the Romantic Period, including such authors as Emerson, Poe, Melville, Hawthorne, Dickinson, Whitman, Fuller, Douglass, Stowe, and other figures of the period.

- 523 **American Literature, 1865-1914. 3 hrs.**
American literature of the Realistic and Naturalistic periods, including such authors as Howells, Twain, James, Dreiser, Chesnutt, Wharton, Crane, and Chopin.
- 524 **American Literature, 1914-1945. 3 hrs.**
A survey of American writers of the Modern period to World War II.
- 525 **Southern Writers. 3 hrs.**
A survey of the poetry, fiction, nonfiction, and drama indigenous to the American South, including Old South, post-Civil War, and Modern periods, and emphasizing the Southern Literary Renaissance.
- 526 **Appalachian Literature and Theory. 3 hrs.**
Appalachian Literature and Theory conducts an in-depth study of aspects of Appalachian culture and literature through the lens of select literary and social theories such as multiculturalism, feminism, or post-colonialism.
- 528 **International Literature. 3 hrs.**
Readings in contemporary literature from the non Anglo-European world. Texts by Asian, African, South American, Australian, and other authors.
- 533 **Twentieth-Century British and Irish Poetry. 3 hrs.**
British poetry since the Victorian period.
- 534 **Twentieth-Century American Poetry. 3 hrs.**
American poetry since 1900.
- 535 **Modernism. 3 hrs.**
A study of trans-Atlantic Modernist writers, including both poetry and prose.
- 536 **Medieval British Literature. 3 hrs.**
Old English elegiac and heroic poetry; Middle English lyrics and romances; the Ricardian poets and Malory.
- 537 **Tudor Literature: Poetry and Prose of the Sixteenth Century. 3 hrs.**
Survey may include works by More, Skelton, Wyatt, Spenser, Nashe, Marlowe, Raleigh, Lyly, Sidney, Mary Sidney, and Shakespeare, excluding drama.
- 538 **Seventeenth Century Literature: Poetry and Prose. 3 hrs.**
Survey may include Donne and the Metaphysical poets, the Cavalier lyricists, Bacon, Browne, Wroth, Cary, Lanyer, Herbert, Jonson, Burton, Walton, Hobbes, and Bunyan.
- 544 **Rendering the Landscape. 3 hrs.**
Historical and contemporary approaches to the representation of landscape in art and writing (poetry, fiction, non-fiction, etc.). Joins with course in Art and Design department for a one-week trip to a West Virginia state park for field work (lodging fee required).
- 546 **Drama of the Restoration and 18th Century. 3 hrs.**
Trends, movements, and dramatic types in the British theatre of this period.
- 547 **British Romantic Poets. 3 hrs.**
Emphasis on Blake, Wordsworth, Coleridge, Byron, Shelley, and Keats.
- 555 **Literary Criticism. 3 hrs.**
Historical study, with application of principles.
- 558 **Contemporary Fiction: Form & Theory. 3 hrs.**
Readings in contemporary fiction addressing the work in terms of the formal and theoretical concerns that drive it. Texts that challenge our notions of genre, form, theory, and practice.
- 560 **Composition Theory I: An Introduction to the Discipline. 3 hrs.**
Introduces students to the discipline of Composition and Rhetoric through a survey of historical and theoretical texts related to the study and teaching of writing. (PR: graduate program admission)
- 562 **Restoration and Eighteenth Century British Poetry and Prose. 3 hrs.**
British poetry and prose of the Restoration and eighteenth century (1660-1800), exclusive of the novel. Authors studied include Dryden, Swift, Pope, Johnson, Boswell, Wollstonecraft. Emphasis on satire, biography, essay.
- 566 **Literacy Studies. 3 hrs.**
Surveys theories of writing and reading literacy development with a focus on teaching writing through multi-modal and multi-genre approaches.
- 567 **Visual Rhetoric. 3 hrs.**
The study of visual texts as expressions of cultural meaning which, much like semiotics, seeks to analyze rhetorical messages.
- 575 **Introduction to Linguistics. 3 hrs.**
The structural and descriptive approach to the study of the English language.
- 576 **Modern Grammar. 3 hrs.**
A descriptive analysis of the structure of present-day American English, utilizing the basic theory of generative transformational grammar.

- 578 Introduction to Sociolinguistics. 3 hrs.**
Sociolinguistics is the study of the effects of language in society, relevant to discourse practices, language attitudes, variations, shifts, and changes.
- 580-583 Special Topics. 1-4 hrs. each.**
(PR: Permission of the chair)
- 585-588 Independent Study. 1-4 hrs.**
(PR: Permission of the chair)
- 591 Creative Writing: Poetry Workshop. 3 hrs.**
A practical and intensive class in exploring the varieties of creative expression; exercises on the creating of verse in different forms and styles.
- 592 Creative Writing: Fiction Workshop. 3 hrs.**
A forum for presentation, discussion, and refinement of the student's work, either short stories or novels.
- 593 Creative Writing: Nonfiction Workshop. 3 hrs.**
A writing workshop where students develop and refine their original creative nonfiction (memoir, biography, essays, travel/leisure writing, etc.), employing techniques typically reserved for fiction (dialogue, narrative, poetic language, etc.).
- 601 Folk and Popular Literature. 3 hrs.**
A study of types, variants, backgrounds, and influences. (PR: ENG 630 or permission of the chair)
- 610 Readings in British and American Literature. 2-3 hrs.**
Independent reading in a field not covered by regularly scheduled courses. Limited to English majors who have been admitted to candidacy. (PR: Permission of the chair)
- 611 Independent Readings. 3 hrs.**
Independent readings and research. Open only to students with an M.A. degree with a major in English or English Education.
- 615 Teaching English and Applied Linguistics. 3 hrs.**
This course aims at teaching English for academic purposes, ranging from teaching language skills to pragmatics to cultural understanding in relation to theories of language and language learning. (PR: ENG 575 and ENG 576)
- 620 Twentieth Century Drama. 3 hrs.**
Major British and American dramatists since 1870. (PR: ENG 630 or permission of the chair)
- 622 Language Development. 3 hrs.**
This course starts with an overview of disciplinary frameworks of language development, then addresses the four major theoretical perspectives: linguistics, cognitive, sociolinguistic and socioculture. (PR: ENG 575; ENG 576)
- 624 Twentieth Century British Novel. 3 hrs.**
Major British novelists of the twentieth century. (PR: ENG 630 or permission of the chair)
- 625 Twentieth Century American Novel. 3 hrs.**
Major American novelists of the twentieth century. (PR: ENG 630 or permission of the chair)
- 627 Text Analysis. 3 hrs.**
Text analysis compares crucial aspects of English syntax, discourse pragmatics, and prepositional and lexical semantics with those of other languages. (PR: ENG 575 and 576)
- 628 Twentieth Century African-American Literature. 3 hrs.**
An intensive study of selected novels, plays and poems of the period. (PR: ENG 630 or permission of the chair)
- 630 Materials and Methods of Research. 4 hrs.**
Instruction and practice in scholarly literary research. Required among first 12 hours of coursework and prior to admission to candidacy for the Master of Arts degree with a major in English.
- 631 Major American Authors. 3 hrs.**
An intensive study of selected American authors. (PR: ENG 630 or permission of the chair)
- 632 Topics in American Literature. 3 hrs.**
Concentrated study of continuing themes or influences in American literature; for example, narrative perspectives, regional influences, or conflicting agrarian and industrial values. (PR: ENG 630 or permission of the chair)
- 633 Research Methods in Applied Linguistics. 3 hrs.**
To inform students of various approaches to research in applied linguistics. To equip students with the critical skills to evaluate research with the end result of conducting their own research. (PR: ENG 575 and ENG 576)
- 635 Major Texts. 3 hrs.**
An intensive study of a single major text from any period of British, American, or anglophone literature, leading to mastery of the text, its critical responses, and its influences. (PR: ENG 630 or permission of the chair)

- 636 Selected British Writers. 3 hrs.**
An intensive study of selected British writers such as the Metaphysical Poets, the Cavalier Poets, or the Bloomsbury Group. (PR: ENG 630 or permission of the chair)
- 637 Topics in British Literature. 3 hrs.**
A concentrated study of themes or influences in British literature; for example, narrative strategies, medievalism, the pastoral mode, or conflicting moral, social or literary values. (PR: ENG 630 or permission of the chair)
- 638 Language and Context. 3 hrs.**
Survey of genre and register analysis research from the three perspectives of ESP (English for Special Purpose), New Rhetoric, and Systemic Functional Linguistics. (PR: ENG 575 and ENG 576)
- 640 Composition Pedagogy. 3 hrs.**
This course builds on composition theory to address the various pedagogies and strategies most commonly practiced in the beginning composition classroom. This course is required for graduate assistants in English. (PR: ENG 560, Composition Theory)

The following four courses are for inservice teachers and require permission of the chair and the Director of Writing.

- 641 Advanced Composition Institute I. 3 hrs.**
The study of characteristics of effective writing instruction; strategies of effective writers; an introduction to teaching writing with technology; an introduction to field research in writing. (PR: Graduate School Acceptance and Permission)
- 642 Advanced Composition Institute II. 3 hrs. CR/NC.**
Advanced Composition Institute II is a seminar course, a follow-up to the intensive summer Advanced Composition Institute I. (PR: ENG 641)
- 643 Electronic Writing Project. 3 hrs.**
Study in the application of teaching writing with technology. Teachers create online syllawebs, databases, peer responses, and conferencing environments, and use technology for research, for teaching research, and for publication. (PR: Graduate School Acceptance and Permission)
- 644 Teacher Inquiry. 3 hrs.**
An intensive study of composition research methodologies (ethnographic study, classroom based inquiry, reflective practice, qualitative research) with a proposal for an inquiry project. Upon completion, Fellow becomes part of Teacher Inquiry Community (TIC). (PR: ENG 641, 642, and permission)
- 645 Research Methods in Composition and Rhetoric. 3 hrs.**
An applied survey course in the theories, methods, and designs of research in the discipline of Composition and Rhetoric. (PR: ENG 560, Composition Theory)
- 646 Composition Theory II: Advanced Disciplinary Theory. 3 hrs.**
In-depth analysis of prevailing research within the field of Composition and Rhetoric.
- 647 Teaching Writing in the Two-Year College. 3 hrs.**
Survey and pedagogical research informing the teaching of writing in the two-year college. (PR: ENG 560, Composition Theory or permission from chair)
- 648 Feminist Rhetorics. 3 hrs.**
An intensive study of various rhetorics which challenge patriarchy and power structures including, but not limited to, feminist histories of rhetoric, theories, pedagogies, epistemologies, and uses of technology.
- 650-653 Special Topics.**
(PR: ENG 630 or permission of the chair)
- 660 Literary Theory. 3 hrs.**
Intensive introduction to one or more literary or cultural theories, familiarizing students with the major developments, terms, premises, and debates of the theory or theories in question.
- 661 Studies in Genre. 3 hrs.**
An intensive study of one or more literary genres, familiarizing students with the major developments, terms, premises, and debates concerning the genre or genres in question. (PR: ENG 630)
- 681 Thesis. 1-6 hrs.**

ENVIRONMENTAL ENGINEERING (ENVE)

- 611 Air Pollution Design I: Control of Gaseous Emissions. 3 hrs.**
An introduction to adsorption, condensation, incineration, absorption, and process modification relevant to the design of abatement systems for gaseous air pollutant emissions. (PR: unit operations, thermodynamics and calculus)