Descriptions of Courses

Courses are subject to revision and final approval.

ELECTRICAL ENGINEERING

933*. Advanced Topics in Analog Circuits (MTC) Spring of odd-numbered years. 3(3-0) Pr: EE 831 R: NONE
Subtitles: Advanced Circuit Analysis.

932A*. Advanced Circuit Analysis Spring of odd-numbered years. 3(3-0) Pr: EE 831 R: NONE

960*. Advanced Topics in Control (MTC) Fall, 3(3-0) May reenroll for a maximum of 6 credits.
Pr: EE 827 R: NONE
Subtitles: Adaptive Control, Nonlinear Control.
QF: EE 826

960A*. Adaptive Control Fall, 3(3-0) Pr: EE 827 R: NONE
Model reference adaptive control in continuous time and discrete time. Lyapunov and non Parisability approaches, adaptive observers, self-tuning regulators, design using pole-zero assignments. Minimum variance control and LQG control.
QF: EE 827 QA: EE 865

960B*. Nonlinear Control Fall, 3(3-0) Pr: EE 827 R: NONE
Relay control, stabilizing controllers. Design via variable structure system, geometric, and Lyapunov-based methods. Feedback linearization and tracking controls.
QF: EE 826 QA: EE 960

983*. Advanced Topics in Systems (MTC) Fall, Spring. 3(3-0) May reenroll for a maximum of 9 credits.
Pr: Variable, depending upon the subtitle
R: NONE
Subtitles: Robot Dynamic and Control, System Identification and Adaptive Filtering, Learning and Theory of Artificial Neural Networks.

962A*. System Identification and Adaptive Filtering Fall, Spring. 3(3-0) Pr: EE 466, EE 826, EE 853 R: NONE
Model parameterization, adaptive filters, identifiability criteria, equation and output error methods, recursive algorithms, least squares and maximum likelihood identification, convergence analysis, closed-loop system identification, experiment design.
QF: EE 853 QA: EE 963

962B*. Robot Dynamics and Control Fall, Spring. 3(3-0) Pr: EE 829 R: NONE
Robot dynamics, dynamic formulations, joint space control, task space control, force and compliance control, robot control, coordination of multiple robots, mobile robots.

963C*. Learning in Artificial Neural Networks Fall, Spring. 3(3-0) Pr: EE 828, EE 827 C: EE 829 R: NONE

966*. Advanced Topics in Signal Processing (MTC) Fall, Spring. 3(3-0) May reenroll for a maximum of 9 credits.
Pr: EE 863, EE 866 R: NONE
QF: NONE QA: NONE

966A*. Discrete Time Processing of Speech Signals Fall, 3(3-0) Pr: EE 866, EE 406 or EE 863 R: NONE
QF: EE 880 QA: EE 801

966B*. Multidimensional Signal Processing Spring. 3(3-0) Pr: EE 866 R: NONE
QF: EE 880 QA: NONE

966C*. Detection and Estimation Theory Spring. 3(3-0) Pr: EE 847, EE 863 R: NONE
Communication channels: noise models, hypothesis testing of signals by Bayesian min-max, and Neyman-Pearson criteria. Performance evaluation using ROC. Bayesian and maximum likelihood parameter estimation. Kalman-Bucy filtering.
QF: EE 847 EE 863 QA: EE 845

989*. Advanced Topics in Plasma (MTC) Fall of odd-numbered years. 3(3-0) May reenroll for a maximum of 6 credits.
Pr: EE 855, EE 850 R: NONE
QF: EE 850 QA: EE 899

989A*. Plasma Processing for IC Fabrication Fall of odd-numbered years. 3(3-0) Pr: EE 855, EE 850 R: NONE
Process requirements. Plasma reactors. Etching and deposition applications. Broad ion beam processing.
QF: EE 850 EE 855 QA: EE 999

999*. Doctoral Dissertation Research Fall, Spring, Summer. 1 to 12 credits.
May reenroll for a maximum of 0 credits.
Pr: Approval of Department: R: Major, Electrical Engineering.
QF: NONE QA: EE 999

ENGINEERING

EGR

150. Engineers and the Engineering Profession Spring. 3(2-0)
R: Open only to freshmen and sophomores.

169*. Minority Engineering Education Seminar Fall, 2(2-0)
R: Open only to freshmen in the College of Engineering and to freshmen no-preference students.
QF: EGR 290

290W*. Technology, Society and Public Policy Fall, 2(2-0)
Pr: 2 courses in mathematics or engineering science R: Sophomores and above Engineering students.
Description and analysis of certain technologies and their consequences. Development of techniques for assessing consequences as an aid to formulation of public policy.
QF: EGR 200

390. Independent Study Fall, Spring, Summer. 1 to 4 credits.
May reenroll for a maximum of 4 credits.
R: Students in College of Engineering, approval of department.
Independent undergraduate research in engineering.

391. Selected Topics Fall, Spring, Summer. 1 to 4 credits.
R: Open only to freshmen, sophomores.
Experimental course development or special topics appropriate for freshmen and sophomores.
QF: EGR 290

393. Engineering Cooperative Education Fall, Spring, Summer. 1(1-0)
R: Open only to students in College of Engineering.
Educational employment assignment approved by College of Engineering.
Pre-professional educational employment experiences in industry and government related to student's major.
QF: EGR 344

ENGLISH

ENG

090*. Intensive English for International Students May reenroll for a maximum of 45 credits.
R: Permission of English Language Center.
Explanation and intensive practice of basic English skills. Students are tested and placed in groups, from beginning to advanced, depending on their need.
QF: ENG 091 ENG 092 ENG 093 ENG 094 ENG 095

091*. English Structure for International Students Fall, Spring. 3(3-0)
R: Permission of English Language Center.
Explanation and practice of advanced grammatical structures of English in relation to written communication. Heavy emphasis on editing skills.
QF: ENG 091

092*. Academic Communication Skills for International Students Fall, Spring. 3(3-0)
R: Permission of English Language Center.
Intensive speaking and listening practice of spoken academic English, lecture-listening and note-taking strategies developed. Oral communication skills improved through discussion and classroom presentations.
QF: ENG 092

093*. Academic English for International Students Fall, Spring. 3(3-0)
R: Permission of English Language Center.
Integrative reading and writing strategies for academic purposes. Includes vocabulary development, intensive and extensive reading and critical reading skills. Develops academic writing style and editing strategies.
QF: ENG 094 ENG 095

E-54 Courses with an asterisk (*) have not been approved by the University Committee on Curriculum.
Academic Reading for International Students
Fall, Spring. 3(0-3). R: Permission of English Language Center.
Intensive and extensive reading skills developed. Vocabulary development, pre-reading strategies, reading for comprehension, and critical reading skills.
QA: ENG 094

Academic Writing for International Students
Fall, Spring. 3(0-3). R: Permission of English Language Center.
Writing of journals, essays and research papers to develop writing skills required in the academic community. Editing and revision practiced through workshops.
QA: ENG 095

Oral Skills for International Teaching Assistants
Fall, Spring. May earn roll for a maximum of 6 credits. P: Adequate sub scores on English Language Center Test; R: Permission of English Language Center.
Provides practice in English skills used in classroom instruction: correct pronunciation, making presentations and handling questions, managing student interactions and classroom situations.
QA: ENG 097

Writing, Language, and English (W)
Fall, Spring. 4(4-0). R: Freshmen only. English majors.
Introductory course in academic writing for English majors emphasizing concepts of language which connect students' practice in writing to issues and ideas they will encounter in the major. Satisfies university Tier 1 writing requirement.
QA: ENG 101 ENG 102

Honors Writing Seminar (W)
Fall. 4(4-0). R: Freshmen Honors non-honors students with departmental approval.
Workshop in critical reading and writing emphasizing the problematic of voice and the development of analytic and critical thinking in written English. Reading and writing in various discursive modes. Fulfills Tier 1 writing requirement.
QA: ENG 101H ENG 102H

The Acquisition and Use of English
Fall, Spring. 3(3-0).
Fundamental concepts in language study as applied to English. Acquisition of English as a first or second language, regional, social, and ethnic dialects; The psycholinguistic study of the reading process.
QA: ENG 201

Writing Non-Fiction: Processes and Context
Fall, Spring. 3(3-0). P: Completion of MSU Tier 1 writing requirement; R: Sophomore and above. English majors and minors.
Writing the major forms of non-fiction prose, with emphasis on the diversity of forms non-fiction takes and on the processes experienced writers engage in while composing.
QP: ATL 1X3 OREN 102 QA: ENG 213

Genres and Themes
Fall, Spring. 3(3-0). R: NOT OPEN TO ENGLISH MAJORS OR MINORS
Texts organized by genre and theme with attention to the historical and cultural perspectives which define them.

Readings in North American Literatures
Fall, Spring. Summer. 3(3-0). R: Not open to freshmen. Not open to students with English majors or minors.
Selected texts from North American literatures drawn from a variety of historical periods, genres, and cultures, reflecting the diversity of North American experience.
QA: ENG 230

Readings in British Literatures
Fall, Spring. 3(3-0). R: Not open to freshmen. Not open to students with English majors or minors.
Selected texts from British literatures drawn from a variety of genres and historical periods, reflecting the diversity of human experiences and the continuity of human concerns.
QA: ENG 231

Honors Studies in Literary Form
Fall. 3(3-0). P: ENG 212H. R: Open only to Honors College students or approval of department. Not open to students with credit in ENG 211H.
History and practice of selected genres and modes of literature such as novel, lyric, essay, romance, and satire. Instruction in critical writing.

Readings in Contemporary Literatures
Fall, Spring. 3(3-0). R: Not open to freshmen. Not open to students with English majors or minors.
Selected texts of various genres from contemporary literatures written in English, reflecting the diversity of human experience.
QA: ENG 302

Introduction to the Study of English
Fall, Spring. 4(4-0).
R: Open only to students in English and American Studies, and to students with a secondary teaching minor in English. Production, interpretation, and dissemination of texts in their political, religious, economic, social, and literary contexts. Introduction to critical methodologies and to writing about texts and modes of discourse.
QA: ENG 211

Honors Foundation in Literary Studies
Fall. 4(4-0). R: Open only to Honors College students or approval of department. Not open to students with credit in ENG 211H.
Literary form and textual analysis. Literary theory and critical methodology. Questions of historical and cultural context.
QA: ENG 211

Honors Foundation in Literary Studies
Fall. 4(4-0). R: Open only to Honors College students or approval of department. Not open to students with credit in ENG 211H.

Introduction to Creative Writing
Fall, Spring. 4(4-0). R: Not open to freshmen. Open only to students in English. Completion of Tier 1 writing requirement.
The major forms and methods of creative writing-fiction, poetry, drama, narrative essay, and film.
QP: ENG 101 AND ENG 102 QA: ENG 212

Introduction to Fiction Writing
Fall, Spring. 4(4-0). P: ENG 210 or ENG 226. R: Not open to freshmen. Open only to students in College of Arts and Letters.
Directed practice in the writing of fiction. Special attention to the types and structures available to the fiction writer.
QP: ENG 206 OREN 226 QA: ENG 228A

Introduction to Poetry Writing
Fall, Spring. 4(4-0). P: ENG 210 or ENG 226. R: Not open to freshmen. Open only to students in English and to students with a secondary teaching minor in English. Directed practice in the writing of poetry. Special attention to the types and structures available to the poetry writer.
QP: ENG 206 ANDENG 297 AND ENG 208 QA: ENG 229

Writing as Exploration
Fall. 3(3-0). P: Completion of Tier 1 writing requirement; R: Sophomores and above. English majors and minors, American Studies majors.
Study and writing of non-fiction prose that reflects on experience, individual and social. Special attention to autobiography, memory and personal experience.
QP: ATL 1X3 OREN 102 QA: 230

Film: An Introduction
Fall. 4(4-2). R: Completion of Tier 1 writing requirement.
Basic concepts and techniques of film analysis and criticism.
QP: ENG 334 OREN 347 OREN 488 QA: ENG 212 OR AL 210

Independent Study
Fall, Spring. Summer. 1 to 4 credits. May reenroll for a maximum of 8 credits.
R: Approval of the Department.
Special projects arranged by an individual student and a faculty member in areas supplementing regular course offerings.

Introduction to the English Language
Fall, Spring. 3(3-0).
Surveys major topics in English language study. English dialects and styles; minority dialects and Standard English; and written English; reading and writing English.
QA: 302

Methods of Teaching English to Speakers of Other Languages
Spring. 3(0-3). R: Not open to freshmen and sophomores.
National and international approaches, methods, materials, settings, needs, and characteristics of TESOL. Survey, evaluation, and application of major effective methods and materials.
QA: ENG 407

Writing for Prelaw Students
Fall. 4(4-0)
R: Not open to freshmen and sophomores.
Completion of Tier 1 writing requirement
Provides a step-by-step process for organizing and writing a legal argument. Emphasizes a logical, clear, and persuasive style.
QP: ENG 213 QA: ENG 310

Literature in English to 1660
Fall, Spring. 4(4-0). R: Open only to students in English and to students with a secondary teaching minor in English.
Cultural contexts, literary tradition, modes of discourse, and genres of Literature in English.
QP: ENG 206 ANDENG 207 AND ENG 208 QA: ENG 351

Courses with an asterisk (*) have not been approved by the University Committee on Curriculum.

E-55
310B. Literature in English 1660-1799
Fall, Spring. 4(4-0)
P: ENG 210. R: Open only to students in English and to students with a secondary teaching minor in English. Cultural contexts, literary traditions, modes of discourse, and genres of English, American and world literature in English.

QF: ENG 206 AND ENG 207 AND ENG 208
QA: ENG 352

310C. Literature in English 1789-1900
Fall, Spring. 4(4-0)
P: ENG 210. R: Open only to students in English and to students with a secondary teaching minor in English. Cultural contexts, literary traditions, modes of discourse, and genres of English, American and world literature in English.

QF: ENG 206 AND ENG 207 AND ENG 208
QA: ENG 353

310D. Literature in English since 1900
Fall, Spring. 4(4-0)
P: ENG 210. R: Open only to students in English and to students with a secondary teaching minor in English. Cultural contexts, literary traditions, modes of discourse, and genres of English, American and world literature in English.

QF: ENG 206 AND ENG 207 AND ENG 208
QA: ENG 354

310E. Literature in English: Modern Media & Culture
Fall, Spring. 4(4-0)
P: ENG 210: English majors and minors.

Cultural contexts, modes of discourse, and generic development of twentieth-century media in an intercultural context.

QF: ENG 206 OR ENG 211

312*. Workshop in Professional Writing
Spring. 4(4-0)
P: ENG 202 or ENG 232. R: Open only to students in English and in American Studies, and to students with a secondary teaching minor in English.

Directed practice in writing of clear, concise and effective prose, with special attention to practical forms like reports, position papers, and proposals.

QF: ENG 213 OR ENG 230
QA: ENG 312

313*. Composition Workshop for Teachers
Fall, Spring. 4(3-4)
R: Juniors or seniors enrolled in English Education. Writing workshop for English teachers. An integrated language arts approach through response to literature and process writing instruction and evaluation. Field experience required.

QA: ENG 330

327*. Playwriting
Spring. 4(4-0) May reenroll for a maximum of 8 credits.
P: ENG 210 and ENG 228 R: Sophomores and above.

Basic elements of playwriting: dramatic action, exposition, plotting, characterization, dialogue, mood, and visual effects. Class work will also include discussion of plays and individual conferences with students.

QF: ENG 207 OR ENG 211 OR ENG 220
QA: ENG 327

328*. Intermediate Fiction Writing
Fall, Spring. 3(3-0)
P: ENG 228. R: Open only to majors in English. Approval of department. Form and technique in fiction writing. Emphasis on prose fiction themes, forms and structures. Relation of plot to meaning. Symbols and metaphors.

QF: ENG 226 OR ENG 206
QA: ENG 228B

329*. Intermediate Poetry Writing
Fall, Spring. 3(3-0)
P: ENG 210 or ENG 226 or ENG 229 R: Juniors and above.

American multiethnic literatures. Focus on the syncretic experience of early and recent immigrants.

QF: ENG 208 OR ENG 211

341*. Introduction to Popular Culture
Fall. 3(3-0)
P: ENG 310E. R: Not open to freshmen.

Generic and thematic study of the artifacts and discourses of popular culture. Emphasis on contemporary societies.

QA: ENG 341

342*. Popular Literary Genres
Fall. 3(3-0)
P: ENG 210 or ENG 310E. R: Not open to freshmen.

A particular genre of popular literature such as science fiction, crime fiction, or Gothic with attention to media other than print.

QF: ENG 206 AND ENG 207 AND ENG 208
QA: ENG 342

344*. Jewish-American Literature
Fall. 4(4-2)
R: Not open to freshmen.

Fiction, poetry, drama, memoir, and film in their artistic and cultural contexts.

QA: ENG 344

349*. African-American Literature I
Fall. 3(3-0)
P: ENG 210. R: Not open to freshmen.

Not open to students with credit in ENG 450. From beginnings in African oral tradition to the Civil War. Authorship, history, and slave narrative. Genre and ethnicity.

QF: ENG 206 AND ENG 207 AND ENG 208
QA: ENG 349 OR ENG 450

350*. African-American Literature II
Spring. 3(3-0)
R: Not open to freshmen.

Not open to students with credit in ENG 450. From the ephemeral promises of Reconstruction to the present. Themes include the "New Negro" movement, the Civil Rights era, and the contemporary Black Women Writers' Renaissance.

QF: ENG 206 AND ENG 207 AND ENG 208
QA: ENG 350 OR ENG 450

351*. Cuneano and Latino Literatures in English
Spring. 3(3-0)
P: ENG 210. R: Not open to freshmen.

American multiethnic literatures. Focus on the syncretic experience of early and recent immigrants.

QF: ENG 206 AND ENG 207 AND ENG 208

352*. Asian American Writing
Spring. 3(3-0) Interdepartmental with the Department(s) of Linguistics and Oriental and African Language Courses.

R: Sophomores and above.

Writing by Americans of Asian descent, with attention to artistic, historical, and cultural contexts.

QF: ENG 208 OR ENG 211

353*. Women and Literature
Fall, Spring. 3(3-0)
R: Sophomores and above.

Relationship of women to cultural and literary texts, as revealed in literature written by women; critical responses to those texts; feminist approaches to literature.

QA: ENG 342

360*. World Literature in English
Fall. 3(3-0) Interdepartmental with the Department(s) of Linguistics and Oriental and African Language Courses, Romance Language Courses.

P: 6 credits of literature R: Sophomores and above.

Significant literary works from cultures other than England or the United States. Emphasis on works in English from the Orient, the Middle East, Africa and the Caribbean.

QA: ENG 360 ENG 361

361*. Asian Literature in English
Spring. 3(3-0) Interdepartmental with the Department(s) of Linguistics and Oriental and African Language Courses.

R: Sophomores and above.

English majors and minors. Literary traditions of a major Asian Civilization-Chinese, Indian or Japanese-in English or in English translation.

QA: ENG 361

362*. African Literature
Fall. 3(3-0)

P: 6 credits of literature. R: Not open to freshmen. Open only to students in the College of Arts and Letters. From the oral tradition to the contemporary novel. Variety of African literary forms. Diversity of voices and traditions.

QA: ENG 362

363*. Classic myths and Literature
Fall. 3(3-0)

R: Sophomores and above.

Classic myths as presented in texts from the ancient world to the present.

QA: ENG 365

366*. Literary Interpretation of the Bible
Fall. 3(3-0)
R: Sophomore and above.

Literary study of the Bible-forms, styles, and themes.

QA: 366

370*. Film and Society
Fall. 4(4-4) May reenroll for a maximum of 9 credits.
P: ENG 270 or ENG 255. R: Not open to freshmen. Approval of department for second enrollment.

How film reflects social issues of gender, ethnicity, class, sexual orientation and handicap status. How film affects and shapes social attitudes.

QF: ENG 212
QA: ENG 333

371*. Film Genres
Fall. 4(4-2) May reenroll for a maximum of 9 credits.
P: ENG 270 or ENG 310E. R: Not open to freshmen. Approval of department for second enrollment.


QF: ENG 212
QA: ENG 335

372*. Film Directors
Fall. Spring. 4(4-2) May reenroll for a maximum of 8 credits.
P: ENG 270 or ENG 310E. R: Not open to freshmen. Approval of department for second enrollment.

Theme, artistry, significance of specific film directors, with an emphasis upon questions of authorship.

QF: ENG 212
QA: ENG 334

377*. The Silent Film
Spring. 3(3-2)
P: ENG 270 or ENG 310E. R: Not open to freshmen.

History. Development of visual language, genres, social attitudes, and acting style. Major films, significant directors.
Courses are subject to revision and final approval.

ENGLISH

394H\*. Studies in Authorship
Spring, 3(3-0) May enroll for a maximum of 6 credits.
pr: 4 credits of literature. R: Open only to Honors College students or approval of department.
qk: English 208 or English 310E.

405\*. The Development of Modern English
Fall, 3(3-0) R: Not open to freshmen and sophomores.
qk: American Studies and English.

404\*. English Dialects
Fall, 3(3-0) R: Not open to freshmen and sophomores.
qk: American Studies and English.

406\*. Topics in English Language Studies
Spring, 3(3-0) R: Not open to freshmen and sophomores.
qk: American Studies and English.

374\*. Screenwriting
Fall, 3(3-0) pr: English 270 or English 310E.
qk: American Studies and English.

375\*. American Fiction
Fall, Spring, 3(3-0) pr: English 210, English 310A or English 310B or English 310C or English 310D or English 310E.
qk: American Studies and English.

376\*. American Drama
Spring, 3(3-0) pr: English 210.
qk: American Studies and English.

377\*. American Poetry
Spring, 3(3-0) pr: English 210.
qk: American Studies and English.

378\*. American Non-Fictional Prose
Spring, 3(3-0) pr: English 210.
qk: American Studies and English.

379\*. American Women Writers
Fall, 3(3-0) pr: English 210, English 310A or English 310B or English 310C or English 310D or English 310E.
qk: American Studies and English.

380\*. American Cultural Criticism
Fall, 3(3-0) pr: English 210. R: Open only to majors in English and in American Studies and to students with a secondary teaching minor in English.
qk: American Studies and English.

393H\*. Critique of Genre and Form
Fall, 3(3-0) May enroll for a maximum of 12 credits.
pr: 4 credits of literature. R: Open only to Honors College students or approval of department.
qk: American Studies and English.

412\*. Milton
Fall, 3(3-0) pr: English 210, and either English 310A or English 310B.
qk: American Studies and English.

413\*. English Teaching Methods
Fall, Spring, 3(3-0) pr: English 315 and English 405.
qk: American Studies and English.

415\*. Critical Studies in Language and Literacy
Spring, 3(3-0) May enroll for a maximum of 6 credits.
pr: English 315 or English 405.
qk: American Studies and English.

423\*. Writing and Style
Spring, 3(3-0) pr: English 313 and English 405.
qk: American Studies and English.

426A\*. Comparative Drama: Classical and Medieval
Fall, 3(3-0) pr: 6 hours of theatre literature.
qk: American Studies and English.

426D\*. Comparative Drama: Renaissance-Baroque
Spring, 3(3-0) pr: Six hours of THTR or English Literature.
qk: American Studies and English.

426F\*. Comparative Drama: Ibsen-World War II
Fall, 3(3-0) pr: Juniors and above.
qk: American Studies and English.

426G\*. Comparative Drama: World War II- Present
Spring, 3(3-0) pr: One English course at the 200 level or above.
qk: American Studies and English.

Courses with an asterisk (*) have not been approved by the University Committee on Curriculum.

E-57
Courses are subject to revision and final approval.

ENGLISH

458F*. Comparative Drama: Indian Subcontinent Fall, Spring, 3(3-0)
P: 6 credits of literature R: Juniors and above
An introductory course to the drama of South Asia.
QP: ENG 226 OR ENG 226A

445*. American Literature, 1885-1900 Fall, Spring, 3(3-0)
P: ENG 211 and ENG 310A, 310B, 310C, 310D, or 310E R: English majors and minors, American Studies majors
American Literature during the latter part of the century; selected works of such writers as Whitman, Dickinson, Twain, James, Wharton, Chestnut, Crane, Chopin.
QP: ENG 208 OR ENG 211 QA: ENG 443

455*. Renaissance Literature and Drama Fall, Spring, 3(3-0)
P: ENG 310A
Poetry, prose, and non-Shakespearean drama, 1500-1560; conventions, genres, issues, and cultural functions.
QP: ENG 351 QA: ENG 455

456*. Renaissance Texts: Current Perspectives Fall, Spring, 3(3-0) May receive for a maximum of 6 credits.
P: ENG 411 or ENG 412 or ENG 421 or ENG 455
Advanced study of selected works, authors, genres, and issues in light of current approaches and concerns; gender, race, class, sex, and cultural functions and contexts.
QP: ENG 411 OR ENG 412 OR ENG 421

457*. British Literary Studies, 1600-1800 Spring, 4(4-0)
P: ENG 310A, 310B, 310C, 310D, or 310E R: English majors
British writing from Restoration through the period of the French Revolution, including decline of epic, emergence of novel and the novel, women as authors and audience, and modernist and British revolutionary discourses.
QP: ENG 352 OR ENG 352B OR ENG 353 QA: ENG 450 ENG 460

458*. Victorian Studies Spring, 3(3-0)
P: ENG 211 OR ENG 251 OR ENG 252 OR ENG 253
British and Irish literature, 1830-1870, especially as it affected the production of non-fictional prose.
QP: ENG 351 OR ENG 352 OR ENG 353 QA: ENG 451

460*. British Literature in the Age of Empire Spring, 3(3-0)
P: ENG 310A, 310B, 310C, 310D, or 310E R: English majors
The culture of the British empire, 1870-1914, including colonial discourse, nationalism, the aesthetic turn in poetry and the arts, and the development of popular genres.
QP: ENG 351 OR ENG 352 OR ENG 353 QA: ENG 471

461*. Second Language Acquisition Fall, Spring, 3(3-0)
P: Juniors, seniors or graduate students
Factors involved in second language learning such as age, motivation, language input and interaction, social influences, the role of the native language and language universals.
QP: ENG 409

462*. Studies in Literature of Africa and the African Diaspora Spring, 4(4-0) May receive for a maximum of 8 credits.
P: Any of following: ENG 349, 350, 360, 363, 450, 470 or 9 credits of credit. R: Juniors and above
Intensive study of particular writers, genres, regions, or themes in African and diasporic literatures.
QP: ENG 453 AFR 420
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Department(s)</th>
<th>Description</th>
<th>Prerequisite(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>465.</td>
<td>Canadian Literature</td>
<td>ENG</td>
<td>Spring, 3(3-0)</td>
<td>P: ENG 210A, 310B, 310C, 310D, or 310E R: Sophomores and above English major/minor.</td>
</tr>
<tr>
<td>477C.</td>
<td>Comparative Epic: India and Iran</td>
<td>ENGL</td>
<td>Spring, 3(3-0)</td>
<td>P: Six credits of literature</td>
</tr>
<tr>
<td>480.</td>
<td>History of Western Literary Criticism</td>
<td>ENGL</td>
<td>Fall, 3(3-0)</td>
<td>Sources of western literary criticism, including the development of modern critical values in the work of Dryden, Johnson, Coleridge, Arnold, Eliot, Carver, English, American New Criticism, Poststructuralism, and oppositional practices.</td>
</tr>
<tr>
<td>481.</td>
<td>Modern Critical Theory</td>
<td>ENGL</td>
<td>Spring, 3(3-0)</td>
<td>P: ENG 210 R: Juniors and above</td>
</tr>
<tr>
<td>482.</td>
<td>Theory and Practice of Feminist Literary Criticism</td>
<td>ENGL</td>
<td>Spring, 3(3-0)</td>
<td>Interdepartmental with the Department(s) of Women’s Studies.</td>
</tr>
<tr>
<td>483.</td>
<td>Literature and Medicine</td>
<td>ENGL</td>
<td>Spring, 3(3-0)</td>
<td>Interdepartmental with the Department(s) of Lyman Briggs School, Psychology.</td>
</tr>
<tr>
<td>485.</td>
<td>Development of the British Novel</td>
<td>ENGL</td>
<td>Spring, 3(3-0)</td>
<td>P: ENGL 310A, 310B, 310C, 310D, or 310E R: English majors and minors.</td>
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<td>486.</td>
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<td>ENGL</td>
<td>Spring, 3(3-0)</td>
<td>P: ENGL 310A, 310B, 310C, 310D, or 310E R: English majors and minors.</td>
</tr>
<tr>
<td>487.</td>
<td>Twentieth Century English Novel</td>
<td>ENGL</td>
<td>Spring, 3(3-0)</td>
<td>P: ENGL 310A, 310B, 310C, 310D, or 310E R: English majors and minors.</td>
</tr>
</tbody>
</table>

Courses with an asterisk (*) have not been approved by the University Committee on Curriculum.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Department</th>
<th>Description</th>
<th>Credits</th>
<th>Schedule</th>
<th>Instructor</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 801</td>
<td>History of the English Language</td>
<td>ENGL</td>
<td>Historical development of the English language; native and foreign elements; morphological, phonological, and semantic development and change.</td>
<td>3-0</td>
<td>Fall</td>
<td>ENGL 801</td>
</tr>
<tr>
<td>ENGL 802</td>
<td>Nineteenth-century American Literature</td>
<td>ENGL</td>
<td>Selected professors and/or authors of nineteenth-century American literature.</td>
<td>3-0</td>
<td>Spring</td>
<td>ENGL 802</td>
</tr>
<tr>
<td>ENGL 803</td>
<td>Seventeenth Century English Literature</td>
<td>ENGL</td>
<td>English non-dramatic literature, 1600-1660, including Milton.</td>
<td>3-0</td>
<td>Fall, Spring</td>
<td>ENGL 803</td>
</tr>
<tr>
<td>ENGL 807</td>
<td>Methods of Teaching English to Speakers of Other Languages</td>
<td>ENGL</td>
<td>Practical approaches, methods, and materials in TESOL, including the teaching of listening, speaking, reading, and writing; selection and evaluation of materials, lesson planning, management of activities and materials and teaching strategies, so as to teach</td>
<td>3-0</td>
<td>Spring</td>
<td>ENGL 807</td>
</tr>
<tr>
<td>ENGL 810</td>
<td>Renaissance Literature</td>
<td>ENGL</td>
<td>Twentieth-century literature of Great Britain and Ireland, and the Anglophone literatures influenced by them.</td>
<td>3-0</td>
<td>Spring</td>
<td>ENGL 810</td>
</tr>
<tr>
<td>ENGL 811</td>
<td>Graduate Writing Workshop-Poetry</td>
<td>ENGL</td>
<td>A workshop in writing and reading of poetry.</td>
<td>3-0</td>
<td>Fall, Spring</td>
<td>ENGL 811</td>
</tr>
<tr>
<td>ENGL 812</td>
<td>Graduate Writing Workshop: Fiction</td>
<td>ENGL</td>
<td>A workshop employing self and peer criticism in writing and reading of fiction.</td>
<td>3-0</td>
<td>Fall, Spring</td>
<td>ENGL 812</td>
</tr>
<tr>
<td>ENGL 815</td>
<td>English Literary Studies 1660-1800</td>
<td>ENGL</td>
<td>Study of major topics and traditions in British writing of the Restoration and eighteenth century, with attention to interrelations of power, gender, race, and genre.</td>
<td>3-0</td>
<td>Fall, Spring</td>
<td>ENGL 815</td>
</tr>
<tr>
<td>ENGL 816</td>
<td>Nineteenth-Century English Literature</td>
<td>ENGL</td>
<td>Exploration of writing process through composition activities and examination of techniques for teaching.</td>
<td>3-0</td>
<td>Fall</td>
<td>ENGL 816</td>
</tr>
<tr>
<td>ENGL 820</td>
<td>Topics in the Teaching of English</td>
<td>ENGL</td>
<td>Selected topics and approaches in the teaching of English and the language arts; investigation of problems of special concern to the students, especially those directly related to teaching.</td>
<td>3-0</td>
<td>Spring</td>
<td>ENGL 820</td>
</tr>
<tr>
<td>ENGL 821</td>
<td>Variation in English</td>
<td>ENGL</td>
<td>Attitudes toward variation; usage and language standards; the effect on English of geographic, ethnic, social, and gender variables.</td>
<td>3-0</td>
<td>Spring</td>
<td>ENGL 821</td>
</tr>
<tr>
<td>ENGL 822</td>
<td>Approaches to the English Language</td>
<td>ENGL</td>
<td>Major topics in the linguistic study of English. Basic theories and concepts in phonology, syntax, and discourse; acquisition and variation; discourse processes and structures.</td>
<td>3-0</td>
<td>Spring</td>
<td>ENGL 822</td>
</tr>
<tr>
<td>ENGL 823</td>
<td>English Structure and Functions</td>
<td>ENGL</td>
<td>Phonological, morphological, grammatical, lexical, discourse and pragmatic systems of English of relevance to TESOL, including the historical origins and social, regional, and gender variations.</td>
<td>3-0</td>
<td>Spring</td>
<td>ENGL 823</td>
</tr>
<tr>
<td>ENGL 824</td>
<td>English Structure and Functions</td>
<td>ENGL</td>
<td>Major topics in the linguistic study of English. Basic theories and concepts in phonology, syntax, and discourse; acquisition and variation; discourse processes and structures.</td>
<td>3-0</td>
<td>Spring</td>
<td>ENGL 824</td>
</tr>
<tr>
<td>ENGL 825</td>
<td>Reading and the English Teacher</td>
<td>ENGL</td>
<td>Applied linguistics, and socio-psychological linguistics and their application to the reading process and the teaching of reading and literature.</td>
<td>3-0</td>
<td>Spring</td>
<td>ENGL 825</td>
</tr>
<tr>
<td>ENGL 826</td>
<td>Analysis of English Discourse</td>
<td>ENGL</td>
<td>Oral and written narratives and conversations; comparison of discourse structures among cultures, subcultures, and genders; applications to medical, classroom, second-language, and literary discourse.</td>
<td>3-0</td>
<td>Spring</td>
<td>ENGL 826</td>
</tr>
<tr>
<td>ENGL 827</td>
<td>African American Literature</td>
<td>ENGL</td>
<td>African American literary studies with particular attention to canon formation, development of critical paradigms, comparative American literatures, critical reception, and cultural production. Emphasis on particular writers, period, genre, or theme.</td>
<td>3-0</td>
<td>Spring</td>
<td>ENGL 827</td>
</tr>
<tr>
<td>ENGL 828</td>
<td>Shakespeare</td>
<td>ENGL</td>
<td>Intensive study of selected plays</td>
<td>3-0</td>
<td>Spring</td>
<td>ENGL 828</td>
</tr>
<tr>
<td>ENGL 829</td>
<td>Approaches to Literature</td>
<td>ENGL</td>
<td>Literary and reading resources; discussion of critical approaches to and techniques for teaching literature.</td>
<td>3-0</td>
<td>Spring</td>
<td>ENGL 829</td>
</tr>
<tr>
<td>ENGL 830</td>
<td>The Literature of Africa and the Diaspora</td>
<td>ENGL</td>
<td>The literatures of Africa and the Diaspora, with an emphasis on Third World critical approaches, non-canonical perspectives and problems.</td>
<td>3-0</td>
<td>Spring</td>
<td>ENGL 830</td>
</tr>
</tbody>
</table>
Courses are subject to revision and final approval.

ENGLISH

QA: ENG 868

865*. Anglophone Literature of South Africa
Fall, 3(3-0) May reenroll for a maximum of 6 credits.
Interdepartmental with the Department(s) of Romance Languages.
R: Arts and Letters

Introduction to Critical Methodology and Research
Research methods, modes of critical discourse, textual study and scholarly writing.
QA: ENG 871

872*. Methods of Research into Language Learning and Literacy
Spring, 3(3-0) R: English
Concepts and procedures for designing, evaluating, and conducting applied research in the teaching and learning of language and literacy. Examination of representative studies.
QA: ENG 872

873*. College Teaching of English Language and Literature: Reading
Spring, 3(3-0) R: English
Integration of the teaching of writing and reading in English with relevant historical and intellectual contexts. Introduction to critical discourse, textual study and scholarly writing.
QA: ENG 885B

878*. College Teaching of English Language and Literature: Writing
Spring, 3(3-0) R: English
Integration of the teaching of writing and reading in English with relevant historical and intellectual contexts. Introduction to critical discourse, textual study and scholarly writing.
QA: ENG 886C

879*. Myth, Ritual and Folklore in Literature
Fall, 3(3-0) May reenroll for a maximum of 6 credits.
Interdepartmental with the Department(s) of Romance Languages.
R: Arts and Letters

Concepts, scholarship, methods of study and research in myth, ritual, and folklore, with special attention to their use in literature and drama.
QA: ENG 877

888*. History of Literary Criticism
Fall, 3(3-0) R: English
Major traditions, concepts, terminologies, problems in the history of literary criticism from classical antiquity to the early 20th century
QA: ENG 885

889*. Modern Criticism
Spring, 3(3-0) R: English
Modern and Postmodern critical theory; emphasis on structuralism/poststructuralism, psychological, feminist, Marxist, formalist, post-colonial, historicist and critical theories
QA: ENG 886

890*. Independent Study
Fall, Spring, Summer. 1 to 6 credits. May reenroll for a maximum of 12 credits.
R: Approval of Department
Special projects, directed reading, and research arranged by an individual graduate student and a faculty mentor in areas supplementing regular course offerings.

891*. Special Topics in American Literature
Fall, Spring, Summer. 3(0-3) May reenroll for a maximum of 9 credits.
R: Approval of the Department
Special topics supplementing regular course offerings proposed by faculty in a group study basis for graduate students.

898*. Master's Research-Plan B
Fall, Spring, Summer. 1 to 6 credits. May reenroll for a maximum of 12 credits.
R: Approval of the Department
Directed research in support of plan B master's degree requirements.
QA: ENG 899

855*. Studies in Shakespeare
Spring, 3(3-0) R: permission of department R: doctoral English permission of department Special problems in Shakespeare of critical/current interest
QA: ENG 855

975*. The Reading Process and the Concept of Literacy
Spring, 3(3-0) R: English permission of department
The contributions of language and literacy studies to our understanding of the reading process and our definitions of literacy
QA: ENG 975

980*. Studies in Rhetoric
Spring, 3(3-0) R: English permission of department
Historical and theoretical perspectives on the traditions of rhetoric
QA: ENG 980

990*. Doctoral Independent Study
Fall, Spring, Summer. 1 to 6 credits. May reenroll for a maximum of 12 credits.
R: Approval of the Department
Special projects, directed reading, and research arranged by an individual doctoral candidate and a faculty mentor in areas supplementing the regular course offerings.

991A*. Topics in the English Language
Fall, Spring. 3(3-0) May reenroll for a maximum of 9 credits.
R: English permission of department Intensive analysis of a major issue in the study of English, such as language planning in the U.S. and other English-speaking countries
QA: ENG 980

991B*. Topics in Comparative Literature
Fall, Spring. 3(3-0) May reenroll for a maximum of 12 credits.
Interdepartmental with the Department(s) of Romance Languages.
R: Ph.D. candidates permission of dept.
Critical approaches to genre, periodization, and influence with an emphasis on relation to English and other literatures
QA: ENG 907

991C*. Topics in African American Literature
Spring, 3(0-3) May reenroll for a maximum of 9 credits.
R: English 850 R: graduate students permission of department
Detailed analysis of a contemporary controversy in African American literary history.

991D*. Topics in the Literature of Africa and the African Diaspora
Spring, 3(3-0) May reenroll for a maximum of 6 credits.
Interdepartmental with the Department(s) of African American Literature.
R: permission of department
Seminar focus on authors, movements, cultures of African literature and the African diaspora.

991K*. Topics in Anglophone South Asian Literature
Spring, 3(3-0) May reenroll for a maximum of 6 credits.
Interdepartmental with the Department(s) of African American Literature.
R: Arts and Letters permission of department
Detailed analysis of some aspect of the literature of South Asia written in English

992*. Seminar in American Studies
Fall, Spring, 3(3-0) May reenroll for a maximum of 9 credits.
R: doctoral Arts & Letters permission of department
American literature in a cultural context, drawing upon popular and fine arts, the history of ideas, the history of social movements
QA: ENG 986

992A*. Seminar in English Education
Fall, Spring, 3(3-0) R: doctoral English permission of department
Seminar in the teaching of English literature, language, and composition
QA: ENG 973

992B*. Seminar in English as a Second Language
Fall, Spring, 3(3-0) R: doctoral English permission of department
Contemporary theories and issues relating to the learning of English as a second language
QA: ENG 987

992C*. Seminar in Earlier English Literature
Fall, Spring, 3(3-0) May reenroll for a maximum of 9 credits.
R: doctoral students permission of department
Special problems in English literature
QA: ENG 981

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E-61
Courses are subject to revision and final approval.

ENTOMOLOGY

205* Pests, Society and Environment Fall, Spring, Summer. 1 to 3 credits. May reenroll for a maximum of 8 credits. R: Approval of Department.

401* Directed Studies Fall, Spring, Summer. 1 to 3 credits. May reenroll for a maximum of 8 credits. R: Approval of Department.

404* General Entomology Fall, Summer of even-numbered years. (4) 110. Biological relationships of insects to the environment. Evolution, behavior, ecology, metamorphosis, classification, important invertebrates, and pest management. QP: BS 212. QA: ENT 301. ENT 302. ENT 425

410* Apiculture and Pollination Fall. 2(1) 2. Biology of bees and their relationship to flowers, pollenation and crop production. QA: ENT 410

442* Concepts of Biological Information Systems Spring. 3(03-00) Interdepartmental with the Department(s) of Computer Science. R: Seniors and Graduate Students. Systems approach toward managing biological information using computer technology. QA: SYS 44S. SYS 445.

460* Medical and Veterinary Entomology Spring. 3(02-03) P: BS 110. R: Open only to juniors and seniors. Insects and other organisms related to human and animal health. Ecoparasitology, ecology of vector-borne diseases, epidemiology, and management of arthropod vectors. QP: ENT 301. ENT 302. QA: ENT 460

470* General Entomology Spring. 3(02-03) P: BS 110. R: BS 111. Biology of nematodes with special reference to the influences of phytoparasitic, entomopathogenic, animal parasitic, microbiotoxic and marine species on human ecology. QP: BS 210. ORBS 211. ORBS 212. QA: ENT 470

477* Pest Management I: Pesticides in Management Systems Fall. 3(03-04) Interdepartmental with the Department(s) of Horticulture, Crop and Soil Sciences, Fisheries and Wildlife. P: CRM 145. ENT 404 or ENT 470 or BOT 405 or CSS 402 or FW 329. Broad overview of pesticide chemistry, efficient use, environmental fate and legislation. QP: CRM 145. ANHINT 402. ENT 425. QA: NSC 445

478* Pest Management II: Biological Components of Management Systems Spring. 3(02-03) Interdepartmental with the Department(s) of Horticulture, Crop and Soil Sciences, Fisheries and Wildlife. P: ENT 404 or ENT 470 or BOT 405 or CSS 402 or FW 329. Principles of host plant resistance and biological control as they might affect design of agroecosystems. Introduction for classification of insect biological control agents. QP: ENT 425. ORCSS 4020. ORSS 470. QA: NSC 446

885* Design and Management of IPM Systems Fall. 3(02-02) P: Graduate Students or Approval of Department. Exploration of biological, ecological and sociological factors which can be exploited for Integrated Pest Management (IPM). Emphasis placed on design and management of environmental systems for pest prevention and non-chemical control.