

**Descriptions — Engineering
of
Courses**

365. House Planning

Fall, Winter, Spring. 3(1-4)

Elementary house architecture. Drawing plans from sketches. Kitchen planning, house styles, elements of design, financing, heating, lighting.

**366. Architectural Perspective
Drawing**

Fall. 3(0-6) Any engineering graphics course.

One-point and two-point perspective, revolved plan and measuring line methods. Pencil rendering, problems in shade and shadows. House model to scale, optional.

390. Value Engineering

Fall, Winter. 4(3-2) ME 280.

The basis of value engineering is function, value, and a group of special techniques developed to aid in isolating and identifying problems created by our complex society and technology.

401. Technology Assessment

Spring. 3(3-0) Seniors or approval of department. Interdepartmental with the Natural Science Department.

Sociotechnical evaluation of impact of proposed technologies on economic, political, and cultural aspects of society. Identification of technical strategies and social goals. Techniques of assessment.

410. Systems Methodology

Winter. 3(3-0) IDC 201, MTH 113, CPS 110 or 120. Interdepartmental with and administered by Systems Science.

The systems approach in multidisciplinary large scale problem solving. The development of useful systems analysis tools; systems design; feasibility study; computer simulation for feasibility evaluation.

411. Systems Project

Spring. 2(3-0) 410. Interdepartmental with and administered by Systems Science.

Completion of a systems study initiated in 410. The project may involve the design of hardware, simulation of a solution to an interdisciplinary problem, or development of a solution concept.

463. Architectural Drafting III

Spring. 3(0-6) 364 or 365.

Traditional and modern elevations. One- and two-point rendered perspective. Functional plans drawn in 364 or 365 required.

480. Special Problems

Fall, Winter, Spring, Summer. 1 to 4 credits. May re-enroll for a maximum of 8 credits. Approval of department.

**092A. English for Foreign Students—
Low Intermediate**

(092.) Fall, Winter, Spring, Summer. Zero credit. [3(5-0) to 15(25-0)]†. English language proficiency examination.

Spoken structures, pattern practice, reading, writing and laboratory in the English language for foreign students on the low-intermediate level.

**092B. English for Foreign Students—
High Intermediate**

(092.) Fall, Winter, Spring, Summer. Zero credit. [3(5-0) to 15(25-0)]†. English language proficiency examination.

Spoken structures, pattern practice, reading, writing and laboratory in the English language for foreign students on the high-intermediate level.

**093. English for Foreign Students—
Advanced**

Fall, Winter, Spring, Summer. Zero credit. [3(5-0) to 15(25-0)]†. English language proficiency examination.

Spoken structures, pattern practice, reading, writing and laboratory in the English language for foreign students on the advanced level.

**094. English for Foreign Students—
Supplementary**

Fall, Winter, Spring, Summer. Zero credit. [3(5-0) to 6(10-0)]†. English language proficiency examination.

Composition in the English language for foreign students on the supplementary level.

101. Responses Through Writing

Fall. 4(4-0) Arts and Letters Freshmen only. Students must enroll in and complete 102 satisfactorily to make a substitution for the American Thought and Language requirement.

A writing workshop that concentrates on the student's personal writing voice and on his responses to the things, people, and institutions central to his experience.

102. Writing and Composing

Winter. 5(5-0) 101; Arts and Letters Freshmen only.

A continuation of 101 that develops the emphases of 101 and encourages students to write in more public and objective forms—narrative, critical analysis, and issue-oriented essays.

200H. Honors Work

Fall, Winter, Spring. 1 to 16 credits. Approval of department.

201. Nature of Language

Fall, Winter, Spring, Summer. 3(3-0)

Various aspects of language—phonology and orthography; morphology, semantics and the lexicon; syntax; and dialects—with special reference to American English.

205. Introduction to Shakespeare

Fall, Winter, Spring. 3(3-0) Not applicable to major or minor requirements.

A study of selected plays illustrating the powers of England's greatest writer.

206. Forms of Literature: Fiction

Fall, Winter, Spring, Summer. 3(3-0) Required of majors and minors. Open to Freshmen.

Major forms of prose fiction, designed to reveal artistic problems met and solved by these forms. Prepares students for advanced literary study by acquainting them with the conventions of various literary forms, by providing a critical vocabulary and by furnishing experience in reading and writing critical evaluations of outstanding literary works from all historical periods.

†See page A-2 item 3.

207. Forms of Literature: Drama

Fall, Winter, Spring, Summer. 3(3-0) Required of majors and minors. Open to Freshmen.

Major forms of drama, designed to reveal artistic problems met and solved by these forms.

208. Forms of Literature: Poetry

Fall, Winter, Spring, Summer. 3(3-0) Required of majors and minors. Open to Freshmen.

Major forms of poetry, designed to reveal artistic problems met and solved by these forms.

**210. Introduction to the Study of
Literature I**

Fall, Winter. 4(4-0) English majors or prospective English majors.

Exploration of the major forms of literature, the aims and process of literary study, the cultural and personal functions of literature, and the role of literary study in the University.

**211. Introduction to the Study of
Literature II**

Winter, Spring. 4(4-0) 210.

A continuation of 210.

213. Writing Workshop

Fall, Winter, Spring, Summer. 3(3-0)

A writing workshop designed to help students improve their writing abilities. The course provides opportunities for students to write with different purposes in a variety of modes.

**214. Composition for Secondary
English Teachers**

Fall, Winter, Spring. 4(3-4) Sophomore English Education majors or written approval of department.

Writing practice in various modes such as personal narrative and description, the familiar essay, drama, poetry, and fiction. Exercises in creative dramatics. Discussion of the process of composing and the teaching of oral and written composition in junior and senior high schools. Will participate in field experience.

228A. Fiction Writing

Fall, Winter, Spring, Summer. 4(4-0) Written approval of instructor.

The writing of short fiction. Classes and individual conferences. Approval to enroll requires a conference with the instructor and will usually be on the basis of manuscripts submitted to him.

228B. Fiction Writing

Fall, Winter, Spring, Summer. 4(4-0) Written approval of instructor.

The writing of fiction. Classes and individual conferences. Approval to enroll requires a conference with the instructor and will usually be on the basis of manuscripts submitted to him.

229. Poetry Writing

Fall, Winter, Spring. 4(4-0) Written approval of instructor.

The writing of poetry. Classes and individual conferences. Approval to enroll requires a conference with the instructor and will usually be on the basis of manuscripts submitted to him.

**230. Non-fictional Imaginative Prose
Writing**

Fall, Winter, Spring. 4(4-0) Written approval of instructor.

The writing of biography, autobiography, and personal essays. Classes and individual conferences.

241. Introduction to Popular Culture

Fall, Winter, Spring. 3(3-0) Freshmen or Sophomores.

Generic and thematic study of the arts and artifacts of popular culture with particular emphasis on writing about the popular culture of contemporary American society.

ENGLISH

ENG

College of Arts and Letters

**091. English for Foreign Students—
Elementary**

Fall, Winter, Spring, Summer. Zero credit. [3(3-0) to 15(25-0)]†. English language proficiency examination.

Spoken structures, pattern practice, reading, writing and laboratory in the English language for foreign students on the elementary level.

- 242. Popular Literary Forms**
Fall, Winter, Spring. 3(3-0) May re-enroll for a maximum of 6 credits. Freshmen or Sophomores.
Study of a particular genre of popular literature (e.g., science fiction, western, gothic) through reading, discussion, and writing, and with attention to the genre's development in media other than print.
- 250. Major Themes in English and American Literature**
Fall, Winter, Spring, Summer. 3(3-0) May re-enroll for a maximum of 6 credits.
A particular theme of significant works of English and American writers in a relevant social or cultural context. Reading, discussion and writing are essential activities.
- 300A. Advanced Fiction Writing**
Fall, Winter, Spring, Summer. 4(4-0) May re-enroll in 300A and/or 300B for a maximum of 12 credits. 228B and written approval of department.
Advanced work in the writing of fiction. Classes and individual conferences. Approval to enroll requires a conference with the instructor and will usually be on the basis of manuscripts submitted to him.
- 300B. Advanced Poetry Writing**
Fall, Winter, Spring, Summer, 4(4-0) May re-enroll in 300A and/or 300B for a maximum of 12 credits. 229 and written approval of department.
Advanced work in the writing of poetry. Classes and individual conferences. Approval to enroll requires a conference with the instructor and will usually be on the basis of manuscripts submitted to him.
- 300C. Playwriting**
Winter, Spring. 4(4-0) May re-enroll for a maximum of 8 credits. Written approval of instructor.
Basic elements of playwriting: dramatic action, exposition, plotting, characterization, dialogue, mood, and visual effects. Class work will also include discussion of plays.
- 301. Literature and the Adolescent**
Fall, Winter, Spring. 4(3-4) 208; Junior English education majors or written approval of department.
Extensive reading of literature appropriate for secondary school students. Discussion of formal literature programs in relation to student's reading needs. Methods of analyzing literature and establishing common and individualized reading programs. Will participate in field experience.
- 309. English Field Experience Internship**
Fall, Winter, Spring, Summer. 3 to 5 credits. May re-enroll for a maximum of 8 credits. 214, 301, or 408A or concurrently.
Intensive field experience in English. Interns will be placed in schools for work in middle, junior, and senior high school classrooms and learning centers in the Lansing area.
- 313. Scientific Writing**
Winter, Spring. 3(3-0) Science students or students with considerable background in the natural sciences.
Writing of papers, reports and essays.
- 315. World Literature in English**
Fall. 3(3-0) Interdepartmental with the Department of Linguistics and Oriental and African Languages.
Representative works, not from England or the United States, which were written originally in English, especially the English literature of present or former British Commonwealth nations, and nations from the Middle East and Africa.
- 316. World Literature in English Translation**
Winter. 3(3-0) Interdepartmental with and administered by the Department of Linguistics and Oriental and African Languages.
Significant and characteristic works of the Orient, the Middle East, and Africa in English translation.
- 317. Genres and Themes in World Literature**
Spring. 3(3-0) Interdepartmental with the Department of Linguistics and Oriental and African Languages.
Work will center each term around a single literary genre, type or theme. Typical examples: The Quest, Literature of Revolt, Satire. Literary examples will be selected from several national literatures.
- 340. Studies in Popular Culture**
Fall, Winter, Spring. 3(3-0) May re-enroll for a maximum of 9 credits. Majors: 208; others: 6 credits of literature.
Popular Cultures of the United States and England from the 19th Century to the present.
- 342. Women and Literature**
Spring. 3(3-0) Third term American Thought and Language course numbered 123 or above or ENG 102.
The feminine sensibility as revealed in literary themes, characterization, and authorship.
- 345. Classic Myths and Literature**
Fall, Winter, Spring. Summer of even-numbered years. 3(3-0)
Greek myths that have been wrought into later poetry, fiction, drama, painting, sculpture, and music.
- 346. Literary Interpretation of the Bible**
Fall, Winter, Spring. 3(3-0)
Literary study of the Old and New Testaments, with emphases upon the ideas and events which figure prominently in English and American literature.
- 347. Literature and Film**
Fall, Winter, Spring. 3(3-0) 208 or 211.
Introduction to the relationship between film and literature through study of theme, style, and structure in selected film masterpieces from different periods and cultures.
- 351. English Literature I**
Fall. 4(4-0) English major or minor.
Survey of English literature to Milton. Major representative writers and literary forms of the specified period.
- 352. English Literature II**
Winter. 4(4-0) English major or minor.
Survey of English literature, Milton to Blake. Major representative writers and literary forms of the specified period.
- 353. English Literature III**
Spring. 4(4-0) English major or minor.
Survey of English literature, Blake to Hardy. Major representative writers and literary forms of the specified period.
- 375. Regional American Literature**
Fall, Winter, Spring. 3(3-0)
Representative works of a particular geographical region as expressions of its distinctive cultural, historical, and literary characteristics, e.g., in a given term, the Middle West, South, New England, or Far West.
- 376. Canadian Literature and Culture**
Spring. 4(4-0) May re-enroll for a maximum of 8 credits.
Canadian literature and culture in bicultural, historical and contemporary contexts.
- 377. Jewish-American Literature**
Winter. 3(3-0)
The Jewish-American experience as reflected in fiction, drama, poetry, essay, autobiography, film.
- 380. Masterpieces of American Literature**
Fall, Winter, Spring, Summer. 3(3-0) Not applicable to major or minor requirements.
Selected masterpieces of American literature.
- 381. Masterpieces of English Literature**
Fall, Winter, Spring, Summer. 3 credits. Not applicable to major or minor requirements.
Selected masterpieces of English literature.
- 382. Masterpieces of Contemporary Literature**
Fall, Winter, Spring, Summer. 3(3-0) Not applicable to major or minor requirements.
Selected masterpieces of contemporary literature.
- 399. Perspectives on Literature**
Fall, Winter, Spring, Summer. 4(4-0) May re-enroll for a maximum of 12 credits.
A rich variety of perspectives on literature for majors and non-majors. Approach and content differs with each section.
- 400. Tutorial**
Fall, Winter, Spring, Summer. 1 to 5 credits. May re-enroll for a maximum of 10 credits. Majors; approval of department.
Reading, discussion, and writing under the guidance of a faculty member.
- 400H. Honors Work**
Fall, Winter, Spring. Variable credit.
Open to particularly able students. Consists of individually supervised study of a phase of literary history.
- 401. Introduction to English Language Studies**
Fall, Winter, Spring, Summer. 4(4-0)
The English language, including such topics as social and regional dialects, sounds, grammar, usage, psycholinguistics and semantics. Attention is given to practical applications.
- 402. Modern English Grammar**
Winter, Spring. 4(4-0) 401.
English morphology and syntax, incorporating insights from current linguistic theory and practice.
- 403. The Development of Modern English**
Winter. Summer of even-numbered years. 4(4-0)
Historical development of the language; native and foreign elements; changes in inflections, pronunciation, vocabulary, meaning.
- 404. American English**
Fall. 4(4-0)
Characteristic American dialects, standard and non-standard, with analysis of usage and explanations of origins and differences.

**Descriptions—English
of
Courses**

- 406. Comparative Linguistics**
Spring. 5(4-0) 402, 403; 2 college years of a foreign language or approval of department.
Techniques for the scientific comparison of related languages. The comparative method and the results of its application to the Indo-European languages.
- 407. Methods of Teaching English as a Second Language**
Fall. 4(4-0) 401 or 402 or approval of department.
Survey and demonstration of theories, methods and techniques for teaching English, both here and abroad, to school age children and adults who are not native speakers of English.
- 408A. Problems in the Teaching of Reading**
Fall, Winter, Spring. 4(3-4) 214, 301, ED 327D.
Instruction and field experience in the teaching of reading for prospective English teachers.
- 408B. Problems in the Teaching of Reading**
Fall, Winter, Spring. 4(3-4) 408A.
Instruction and independent work on the teaching and learning of reading with strong emphasis on field experience.
- 408C. Problems in the Teaching of Reading**
Fall, Winter, Spring. 4(3-4) 408B.
Instruction and independent work in developing junior and senior high school reading programs. Will participate in field experience.
- 409. Teaching Competencies in English**
Fall, Winter, Spring, Summer. 4(4-0) 214, 301, or 408A or ED 327D. ENG 309 concurrently.
Practicum in the development of teaching competencies in the fundamentals of reading and writing within a humanistic English curriculum. Analysis of accountability models and assessment instruments in English.
- 410. Chaucer**
Fall, Winter, Spring, Summer. 4(4-0) Majors: 208; others: 6 credits of literature.
Chaucer's poetry, especially *The Canterbury Tales*. Read in Middle English.
- 411. Spenser**
Winter. 4(4-0) Majors: 208; others: 6 credits of literature.
A representative selection of Spenser's poetry with special emphasis on *The Faerie Queene*.
- 412. Milton**
Fall, Winter, Spring, Summer. 4(4-0) Majors: 208; others: 6 credits of literature.
Milton's prose and poetry, especially *Paradise Lost*.
- 417. Scandinavian Contributions to Literary Tradition**
Fall. 3(3-0) Approval of department. Interdepartmental with the departments of German and Russian and Romance Languages and administered by the Department of German and Russian.
Development and influence of the ideas, forms and motifs of the Scandinavian literatures in the literatures of the world.
- 418. Scandinavian Contributions to Literary Tradition**
Winter. 3(3-0) Approval of department. Interdepartmental with the departments of German and Russian and Romance Languages and administered by the Department of German and Russian.
Continuation of 417.
- 419. Scandinavian Contributions to Literary Tradition**
Spring. 3(3-0) Approval of department. Interdepartmental with the departments of German and Russian and Romance Languages and administered by the Department of German and Russian.
Continuation of 418.
- 421. Shakespeare**
Fall, Winter, Spring, Summer. 4(4-0) Majors: 208; others: 6 credits of literature.
Study of the following representative plays: *Richard II, Richard III, Hamlet, Othello, Julius Caesar, Romeo and Juliet, Twelfth Night, Winter's Tale, Midsummer-Night's Dream*.
- 422. Shakespeare**
Fall, Winter, Spring, Summer. 4(4-0) 421.
Advanced study of several representative plays exclusive of those taught in 421.
- 424. Conference Course in Advanced Writing**
Fall, Winter, Spring, Summer. 4 credits. Written approval of department.
Intended for the student ready to pursue an advanced project in writing. Individual conferences. Approval to enroll requires a conference with the instructor and will usually be on the basis of manuscripts submitted to him. Prior course work in writing will normally be expected.
- 426A. Comparative Drama**
Fall. 3(3-0) Majors: 208; others: 6 credits of literature.
Studies in the development of drama: classical and medieval.
- 426B. Comparative Drama**
Winter. 3(3-0) Majors: 208; others: 6 credits of literature.
Studies in the development of drama: Renaissance and seventeenth century.
- 426C. Comparative Drama**
Spring. 3(3-0) Majors: 208; others: 6 credits of literature.
Studies in the development of drama: neo-classical and romantic.
- 426D. Comparative Drama**
Fall, Spring. 3(3-0) Majors: 208; others: 6 credits of literature.
The development of drama: Ibsen to World War II.
- 426E. Comparative Drama**
Spring, Summer. 3(3-0) Majors: 208; others: 6 credits of literature.
The development of drama: World War II to the present.
- 436. Comparative Fiction**
Fall, Winter, Spring. 3(3-0) May re-enroll for a maximum of 9 credits. Majors: 208; others: 6 credits of literature.
Types of narrative and fiction in various literatures and periods. Specific course content varies each term.
- 439. British Poetry and Poetic Theory Since 1890**
Winter, Summer. 4(4-0) Majors: 208; others: 6 credits of literature.
Special emphasis on Hopkins, Hardy, Yeats, Auden and Thomas.
- 441. American Literature: Colonial and Revolutionary Period**
Fall. 4(4-0) Majors: 208; others: 6 credits of literature.
Works of Taylor, Edwards, Franklin, Freneau and others.
- 442. American Literature: Early Romanticism**
Fall. 4(4-0) Majors: 208; others: 6 credits of literature.
Works of Cooper, Irving, Poe, Emerson, Thoreau and others.
- 443. American Literature: Later Romanticism**
Winter, Spring, Summer. 4(4-0) Majors: 208; others: 6 credits of literature.
Works of Hawthorne, Melville, Whitman, Dickinson and others.
- 446. American Literature: Realism and Naturalism**
Fall, Winter, Spring, Summer. 4(4-0) Majors: 208; others: 6 credits of literature.
Rise and development of realism and naturalism as exemplified in the works of such authors as Twain, James, Dreiser, Robinson, and others.
- 447. Twentieth Century American Fiction**
Fall, Winter, Spring, Summer. 4(4-0) Majors: 208; others: 6 credits of literature.
Works of Fitzgerald, Hemingway, Faulkner and others.
- 448. Twentieth Century American Poetry**
Fall, Spring, Summer. 4(4-0) Majors: 208; others: 6 credits of literature.
Works of Eliot, Pound, Frost and others.
- 449. Afro-American Literature I**
Fall, Winter, Summer. 4(4-0) Majors: 208; others: 6 credits of literature.
Creative thought of the black American illustrated by the participation of the black man in American culture from beginnings through Harlem Renaissance.
- 450. Afro-American Literature II**
Winter, Spring, Summer. 4(4-0) Majors: 208; others: 6 credits of literature.
Creative thought of the black American illustrated by the participation of the black man in American culture—post-World War II.
- 452. Contemporary Literature**
Fall, Winter, Spring, Summer. 4(4-0) Majors: 208; others: 6 credits of literature.
Contemporary British or American fiction, drama or poetry.
- 455. Tudor Literature**
Fall. 4(4-0) Majors: 208; others: 6 credits of literature.
Poetry, prose and non-Shakespearian drama of the sixteenth century.
- 456. Early Seventeenth Century Literature**
Winter. 4(4-0) Majors: 208; others: 6 credits of literature.
Some of the major literary works of 1600-1660.
- 460. The Age of Dryden and Pope**
Fall. 4(4-0) Majors: 208; others: 6 credits of literature.
Literature of the Restoration and early eighteenth century, 1660-1744; Dryden, Pope, Swift, and others.
- 462. The Age of Johnson**
Spring. 4(4-0) Majors: 208; others: 6 credits of literature.
Literature of later eighteenth century to 1785; Johnson and his circle, the novelists and others.
- 465. The English Romantic Period**
Fall, Spring, Summer. 4(4-0) Majors: 208; others: 6 credits of literature.
The beginnings of romanticism; Blake, Wordsworth and Coleridge.

- 466. The English Romantic Period**
Fall, Winter, Spring. 4(4-0) Majors: 208; others: 6 credits of literature.
Continuation of 465; Keats, Shelley, Byron.
- 467. Language and Culture**
Fall, Spring. 4(3-0) Approval of department. Interdepartmental with and administered by the Anthropology Department.
A survey exploring the interconnectedness of language and culture. Special areas to be emphasized include: Child Language Learning; Linguistic and Cultural Contact Phenomena; "Specialized" Languages, such as Cant, Argot, Trade Jargon, Lingua Franca; "Hybridization" and "Substratum"; Language and Cultural Change; a brief examination of Theories of Origins and of the Sapir-Whorf Hypothesis.
- 468. Nature of Myth**
Winter. 3(3-0)
Myth in some of its theoretical aspects, with special reference to the mythical character of literature.
- 470. Victorian Essayists**
Fall, Summer of even-numbered years. 4(4-0) Majors: 208; others: 6 credits of literature.
Selected readings from Carlyle, Newman, Arnold, Mill, Huxley and other essayists.
- 471. Victorian Poets**
Spring. 4(4-0) Majors: 208; others: 6 credits of literature.
Selected readings from Arnold, Browning, Tennyson and other poets.
- 474. Oral Folklore**
Spring. 4(4-0)
The nature of folklore, its social functions, and its use in literature and drama.
- IDC. Canadian-American Studies**
For course description, see Interdisciplinary Courses.
- 477. Comparative Epic**
Fall, Winter, Spring. 3(3-0) May re-enroll for a maximum of 9 credits. Majors: 208; others: 6 credits of literature.
Each term will consider two epics. Fall: *Odyssey* and the *Book of Job*; Winter: Dante's *Inferno* and Milton's *Paradise Lost*; Spring: *Beowulf* and the *Song of Roland*.
- 478. Methods of Comparative Literature**
Fall. 3(3-0) Two of the following: 206, 207, 208.
Rationale and techniques of study in comparative literature.
- 479. Classical Christian Contributions to Literary Tradition**
Spring of odd-numbered years. 3(3-0) Two of the following: 206, 207, 208.
Development and influence of the ideas, forms, and motifs of the ancient world and Christianity in literature of the world.
- 480. Literary Criticism: Theory and Practice**
Fall, Spring, Summer. 4(4-0) Senior majors.
A survey of literary theory; critical and historical approaches to literature.
- 481. Modern Critical Theory**
Winter. 4(4-0) Senior majors.
An examination of the principal modern theories of literary criticism.
- 482. Practical Criticism**
Spring. 4(4-0) 480 or 481.
Literary criticism in response to a given work.
- 485. The English Novel Through the Eighteenth Century**
Fall, Summer. 4(4-0) Majors: 208; others: 6 credits of literature.
Study of such writers as Richardson, Fielding, Smollett, Sterne, Austen, and others.
- 486. The English Novel in the Nineteenth Century**
Winter, Summer. 4(4-0) Majors: 208; others: 6 credits of literature.
Study of such writers as Scott, Dickens, Thackeray, Eliot, Hardy and others.
- 487. The Modern English Novel**
Spring, Summer. 4(4-0) Majors: 208; others: 6 credits of literature.
Study of such writers as Conrad, Ford, Joyce, Lawrence and others.
- 491H. Studies in Period**
Fall. 4(4-0) May re-enroll for a maximum of 8 credits. To receive credit, both 491H and 492H must be completed satisfactorily. Six credits in English honors courses and approval of the departmental honors adviser.
A two-term study of specific writers in relation to their age is provided by 491H and 492H.
- 492H. Studies in Period**
Winter. 4(4-0) May re-enroll for a maximum of 8 credits. To receive credit, both 491H and 492H must be completed satisfactorily. 491H and approval of the departmental honors adviser.
Continuation of 491H.
- 493H. Studies in Genre**
Winter. 4(4-0) May re-enroll for a maximum of 8 credits. To receive credit, both 493H and 494H must be completed satisfactorily. Six credits in English honors courses and approval of the departmental honors adviser.
A two-term study of the conventions and techniques of a specific literary genre.
- 494H. Studies in Genre**
Spring. 4(4-0) May re-enroll for a maximum of 8 credits. To receive credit both 493H and 494H must be completed satisfactorily. 493H and approval of the departmental honors adviser.
Continuation of 493H.
- 496H. Special Topics**
Fall, Winter, Spring. 4(4-0) May re-enroll for a maximum of 12 credits. Approval of the departmental honors adviser.
Intensive study of some particular author, theme, problem, or other critical topic.
- 497H. Senior Honors Essay**
Fall, Winter, Spring. 4 to 10 credits. May re-enroll for a maximum of 10 credits. Seniors and approval of departmental honors adviser.
A substantial piece of writing under the direction of selected faculty.
- 499. Senior Proseminar**
Fall, Winter, Spring, Summer. 4(4-0) Senior English majors.
Intensive work in an area, problem or author. Students will work closely with the instructor in the preparation and evaluation of substantial research or critical papers.
- 800. History of the English Language**
Spring, Summer. 3 credits.
- 801. Old English**
Fall, Summer. 3 credits.
Phonology and morphology of English before 1100.
- 802. Beowulf**
Winter. 3 credits.
- 803. Old English Poetry**
Spring. 3(3-0) 802.
Studies in Old English poetic literature: selections from the poetry of the Exeter Book or other works exclusive of *Beowulf*.
- 804. Middle English**
Winter. 3(3-0)
Linguistic study of English writings, 1100-1400.
- 805. Studies in Comparative Theatre and Drama**
(905). Fall, Winter, Spring, Summer. 3(3-0) May re-enroll for a maximum of 12 credits. Approval of department. Interdepartmental and jointly administered with the Department of Theatre.
Comparative study of selected playwrights, movements, trends and developments in world drama from the beginnings to the present day.
- 806. Medieval Languages**
Fall, Winter, Spring. 3(3-0) May re-enroll for a maximum of 15 credits.
Gothic, Old Norse, and Old Irish.
- 807. Advanced Methods of Teaching English as a Second Language**
Fall. 3(3-0) 407.
Advanced study of linguistic theory and applications to classroom practice of methods of teaching English as a second language, specifically with regard to oral drill, reading, writing, testing, language and cultural heritage.
- 810. Medieval Literature**
Fall, Winter, Summer. 3(3-0) May re-enroll for a maximum of 6 credits.
Chaucer and the literature of the fourteenth century.
- 811. Renaissance Literature**
Fall, Winter, Spring. 3(3-0) May re-enroll for a maximum of 9 credits.
English nondramatic literature, 1500-1600.
- 815. Restoration and Eighteenth Century Literature**
Fall, Winter. 3(3-0) May re-enroll for a maximum of 6 credits.
English literature, 1680-1798.
- 816. Nineteenth Century Literature**
Fall, Winter, Spring, Summer. 3(3-0) May re-enroll for a maximum of 9 credits.
English literature, 1798-1900.
- 821. Nineteenth Century American Literature**
Fall, Winter, Spring, Summer. 3(3-0) May re-enroll for a maximum of 9 credits.
American literature, 1820-1900.
- 824. Seventeenth Century Literature**
Winter, Spring. 3(3-0) May re-enroll for a maximum of 6 credits.
English nondramatic literature, 1600-1660, including Milton.
- 825. Comparative Literature: Studies in Theme and Idea**
Fall. 3(3-0) May re-enroll for a maximum of 9 credits. Interdepartmental with the departments of Romance Languages and German and Russian and administered by the Romance Languages Department.
Myths, archetypes, *Topoi*, significant ideas and intellectual currents in different periods and cultural traditions.

**Descriptions — English
of
Courses**

- 828. Colonial and Revolutionary American Literature**
Winter. 3(3-0)
American literature, from the beginnings to 1820.
- 829. Twentieth Century Literature**
Fall, Spring. 3(3-0) *May re-enroll for a maximum of 6 credits.*
English and American literature, 1900 to the present, with attention to foreign backgrounds.
- 830. Major Writers of American Literature**
Fall. 5(4-0) *Major in English—Secondary School Teaching or approval of department.*
Franklin through Whitman.
- 831. Major Writers of American Literature**
Winter. 5(4-0) *Major in English—Secondary School Teaching or approval of department.*
Twain to the present.
- 840. Writing Workshop for Teachers**
Fall, Spring, Summer. 5(5-0) *Major in English—Secondary School Teaching or approval of department.*
Emphasis on personal and public modes of writing; some discussion of methods of teaching writing; class discussion and evaluation of student writing; individual conferences.
- 841. Topics in the Teaching of English**
Winter, Spring. 3 to 5 credits.
Selected topics and issues in the teaching of English and the language arts. Investigation of problems of special concern to the students, especially those directly related to teaching.
- 845. Approaches to Language**
Fall. 3(3-0) *Major in English—Secondary School Teaching or approval of department.*
Modern linguistic approaches to language and their application to writing.
- 846. Approaches to Language**
Winter. 3(3-0) *Major in English—Secondary School Teaching or approval of department.*
Continuation of 845.
- 847. Reading and the English Teacher**
Spring, Summer. 5(5-0)
Investigation of applied linguistics and psycholinguistics to the reading process with particular emphasis on the application to problems in the teaching of reading and literature.
- 848. Teaching English in Bicultural Settings**
Winter, Spring. 3(3-0)
Viewing a bilingual-bicultural group from their novels, plays, stories, or poems, and from historical, sociological, or linguistic works. Applications to teaching.
- 849. English Teaching Workshop**
Fall, Winter, Spring, Summer. 2 to 5 credits. *May re-enroll for a maximum of 10 credits.*
Workshop in the development of teaching materials and resources in English. Investigation of sources and bibliographies. Emphasis on seeking practical solutions to particular problems in the teaching of English.
- 855. Shakespeare**
Fall, Spring. 3(3-0)
Intensive study of selected plays.
- 856. Comparative Literature: Literature and Other Disciplines**
Winter. 3(3-0) *May re-enroll for a maximum of 9 credits. Interdepartmental with the departments of Romance Languages and German and Russian and administered by the Romance Languages Department.*
Relations between literature and the sciences and other arts; social, historical, psychological, philosophical bases of literary study.
- 862. Approaches to Literature**
Winter. 5(4-0) *Major in English—Secondary School Teaching or approval of department.*
Literature through thematic, genre and historical approaches.
- 871. Methods of Literary Research**
Fall, Spring, Summer. 3(3-0)
Bibliography and use of library; preparation of reports, reviews, and scholarly papers.
- 878. Comparative Literature: Methods in the Study of Comparative Literature**
Fall. 3(3-0) *Interdepartmental with the German and Russian and Romance Language Departments.*
Rationale and techniques of study in comparative literature.
- 879. Myth, Ritual and Folklore in Literature**
Fall. 3(3-0) *May re-enroll for a maximum of 9 credits.*
The concepts, scholarship, and methods of study and research in mythology, ritual, and folklore, with special attention to their use in literature and drama.
- 880. Proseminar for Master's Degree Candidates**
Fall, Winter, Spring, Summer. 3(3-0)
Individual scholarly work under guidance.
- 885. Studies in the History of Literary Criticism**
Fall, Winter, Spring, Summer. 3(3-0)
The history of literary criticism.
- 886. Studies in Modern Criticism**
Fall, Winter, Spring, Summer. 3(3-0)
885.
Continuation of 885.
- 895. College Teaching of English**
Fall, Winter, Spring. 1 to 3 credits. *May re-enroll for a maximum of 3 credits. Graduate teaching assistant.*
Supervised teaching of college classes in English language and literature.
- 896. Practicum in English Language and Literature**
Fall, Winter, Spring Summer. 2 to 6 credits. *Approval of department.*
Supervised graduate practicums, observations, internships in the teaching of English language and literature.
- 899. Research**
Fall, Winter, Spring, Summer. *Variable credit. Approval of department.*
- 902. Comparative Literature: Studies in Form and Genre**
Winter, Spring. 3(3-0) *May re-enroll for a maximum of 9 credits. Interdepartmental with the German and Russian and Romance Language Departments.*
Development and interrelationships of individual and collective forms and genres of literatures of the Western world, including the drama, tragedy, the novel, the short story, the theory and forms of poetry, popular literature, and the tale.
- 903. Comparative Literature: Studies in Periodization**
Fall, Winter, Spring. 3(3-0) *May re-enroll for a maximum of 9 credits. Interdepartmental with the German and Russian and Romance Language Departments.*
Analyses of the manner in which various genres, conventions and continuing traditions of literature interact with the creative and critical climates of particular periods and movements, such as classicism, the Middle Ages, the baroque, or romanticism, in qualifying or modifying characteristic literary works.
- 904. Studies in Influence**
Fall, Winter, Spring. 3(3-0) *May re-enroll for a maximum of 9 credits.*
Mutual influences of the English, Romance and Germanic literatures in general and in terms of specific authors and literary kinds, together with studies of the intermediaries of transmission, translations and sources.
- 930. Studies in English Drama**
Fall of odd-numbered years. Winter and Spring of even-numbered years. 3(3-0) *May re-enroll for a maximum of 9 credits.*
Liturgical beginnings to 1642, excluding Shakespeare.
- 940. Studies in Shakespeare**
Winter of odd-numbered years. 3(3-0) *To receive credit, both 940 and 941 must be completed satisfactorily.*
- 941. Studies in Shakespeare**
Spring of odd-numbered years. 3(3-0) *To receive credit, both 940 and 941 must be completed satisfactorily.*
- 970. Graduate Reading Course**
Fall, Winter, Spring, Summer. 1 to 5 credits. *Approval of department.*
Supervised reading course in English and American literature for Ph.D. candidates.
- 980. Studies in English Language**
Fall, Winter, Spring. 3(3-0) *May re-enroll for a maximum of 9 credits.*
The English language from the viewpoint of historical problems, literary analysis and pedagogical implications.
- 981. Seminar: Earlier English Literature**
Fall, Winter, Spring. 3(3-0) *May re-enroll for a maximum of 9 credits.*
Special problems in English literature, beginnings to 1660.
- 982. Seminar: Later English Literature**
Fall, Winter, Spring. 3(3-0) *May re-enroll for a maximum of 9 credits.*
Special problems in English literature, 1660-1900.
- 983. Seminar: American Literature**
Fall, Winter, Spring. 3(3-0) *May re-enroll for a maximum of 9 credits.*
Special problems in American literature, beginnings to 1900.
- 984. Seminar: Twentieth Century Literature**
Fall, Winter, Spring. 3(3-0) *May re-enroll for a maximum of 9 credits.*
Special problems in English and American literature, 1900 to the present.
- 985. Seminar: Special Studies in Literary Form and Theory**
Fall, Winter, Spring. 3(3-0) *May re-enroll for a maximum of 9 credits.*
Forms, genres, and movements.

986. Seminar: American Literature and Culture

Fall, Winter, Spring. 3(3-0) May re-enroll for a maximum of 9 credits.

American literature in a cultural context, drawing upon popular and fine arts, the history of ideas, the history of social movements.

987. Seminar: Special Topics in Comparative Literature

Spring. 3(3-0) May re-enroll for a maximum of 9 credits. Advanced graduates. Interdepartmental with the departments of Romance Languages and German and Russian and administered by the Romance Languages Department.

999. Research

Fall, Winter, Spring, Summer. Variable credit. Approval of department.

ENTOMOLOGY ENT

**College of Agriculture and Natural Resources
College of Natural Science**

230. The Role of the Natural Sciences in Future Environments

Fall. 4(4-0) Approval of department. Interdepartmental with the departments of Geology, Physics and Zoology and the College of Natural Science and administered by the College of Natural Science.

Physical and biological science concepts relevant to understanding of environmental issues. Options for action in areas of population size, energy and life support system. Illustrated by case studies.

250. Pesticides and Environmental Quality

Winter. 3(4-0)

Impact of agricultural pesticides on man and his environment. Emphasizes the effect of chemicals on food production and combating diseases and ecological imbalance. Presents pesticide alternatives for the future.

301. General Entomology

Fall, Spring. 3(3-0) B S 211 and 212 recommended.

Biological relationships of insects. Insect behavior, ecology, and classification. Metamorphosis and development of insects.

302. General Entomology Laboratory

Fall, Spring. 2(0-6) 301 or concurrently.

Experiments in morphology, physiology, behavior of insects. Populations and classification of major groups.

337. Forest and Shade Tree Entomology

Fall. 4(3-2) Three terms of natural science.

Provides an understanding of significance and nature of insect injury to forest and shade trees, based upon morphology, physiology, biology and taxonomy of insect and host. Analyzes biological, chemical, cultural and silvicultural approaches to insect control in order to equip student with competence to carry out survey and action program assignments.

401. Problems

Fall, Winter, Spring, Summer. 1 to 6 credits. May re-enroll for a maximum of 12 credits. Approval of department.

Advanced individual work on a field or laboratory research problem or a study of published literature on a selected topic.

404. Field Entomology

Summer. 6 credits. One year of zoological science or teaching major in general science or approval of department. Given at W. K. Kellogg Biological Station.

Basic field survey in entomology. Emphasis on the biology, collection and identification of insects common to the Gull Lake Biological Station area.

410. Apiculture and Pollination

Spring. 3(2-2)

Biology of the honey bee and some of the wild bees. Relationships between bees and flowering plants. Value of bees in crop pollination. Introduction to management with visits to the University apiary.

411. Seminar

Fall, Winter. 1(1-0) Majors or approval of department.

Reports by students, faculty, and representatives of the profession, with emphasis on current problems not covered in regular college subjects.

418. Systematic Entomology

Winter. 4(1-9) 301, 302.

General taxonomic course to acquaint the student with the various groups of insects.

420. Aquatic Insects

Fall. 4(3-3) 301, 302.

Biology, ecology and systematics of aquatic insects.

421. Stream Ecology

Summer. 3 credits. 420 or approval of department. Given at W. K. Kellogg Biological Station.

An in-depth examination of stream ecosystems—physical, chemical and biological aspects. Field work will be centered on local streams. Laboratory exercises will involve manipulations necessary for the determination of population energy budgets, with special emphasis on aquatic insects.

430. Economic Entomology

Fall. 3(2-3) 301, 302.

Recognition, life histories, behavior, ecology and integrated control of insects of economic importance.

438. Taxonomy of Immature Insects

Spring of even-numbered years. 4(1-9)

418. Identification of immature insects with particular emphasis on the Holometabola.

440. External Morphology of Insects

Fall. 4(2-6) 301, 302, or approval of department.

Morphological concepts of external skeletal parts of insects. Emphasis on evolutionary development of structures from the Apterygota through the Pterygota.

441. Internal Morphology

Winter. 4(2-6) 440 or approval of department.

Morphology of the internal structure of insects. Emphasis on the evolutionary development of organs and organ systems of various representative insects.

450. Insect Physiology

Spring. 4(4-0) 441; PSL 401; 1 year of chemistry or approval of department.

Comparative physiology of insects with histological and functional aspects of organs and organ systems.

460. Medical Entomology

Spring. 4(3-3) 301, 302, or approval of department.

Distribution and biology of important arthropod vectors of diseases to man, disease symptoms, life cycle of the infectious agent, reservoirs, urticating arthropods, anaphylactic reactions, myiasis, and prophylactic measures.

470. Nematode Diseases of Economic Plants

Winter of odd-numbered years. 4(2-4) Interdepartmental with the Department of Botany and Plant Pathology.

Major nematode diseases of economically important plants, with emphasis on diagnostic symptoms, nematode biology and principles of control.

480. Insects in Relation to Plant Diseases

(860.) Winter of even-numbered years. 4(2-4) 302. Interdepartmental with the Department of Botany and Plant Pathology.

Relationships of insects, mites and nematodes to important plant diseases incited by bacteria, fungi, viruses and toxins. Mode of transmission and means of control. Transmission techniques and important plant-pathogen-insect relationships.

490. Topics in Entomology

(870.) Fall, Winter, Spring, Summer. Variable credit. Majors or approval of department.

Advanced work in medical entomology, acarology, advanced forest entomology, soil arthropods, behavior and biological control.

808. Advanced Taxonomy

Fall, Winter. 4(0-12) May re-enroll for a maximum of 24 credits. 418, 440.

Classification in depth of a single order of insects, including comparative morphology of the group and survey of recent and classical literature.

811. Ecology of Aquatic Insects

Summer of every third year; given in 1969. 3 credits. 420 or approval of department. Given at W. K. Kellogg Biological Station.

Aquatic insects, their physiology, distribution, and density. Preparation of energy budgets for natural populations.

820. Insect Ecology

Spring. 3(2-3) Approval of department.

Detailed consideration of the dynamics of insect populations. Review of those factors in the insect ecosystem which can be manipulated for the purpose of pest management. Role and use of models in insect ecology.

821. Advanced Stream Ecology

Summer. 3 credits. 421 or approval of instructor. Given at W. K. Kellogg Biological Station. Interdepartmental with Fisheries and Wildlife Department.

Stream ecosystem energy budget models with emphasis on individual projects involving both laboratory and field experiments. Particular use will be made of artificial streams and locally abundant species of aquatic insects.

830. Insect Biochemistry

Spring of even-numbered years. 4(4-0) 450; BCH 401.

Energy metabolism, intermediary metabolism and the biochemistry of development in insects; stresses biochemical differences between insects and higher animals.