# 300. Technology and Utilization of Energy

Winter. 3(3-0) Initial course in any sequence of courses in the Department of Natural Science. Interdepartmental with and administered by the Department of Mechanical Engineering.

Problems of energy technology and its impact: energy sources, conversions, waste and environmental effects, future outlook for mankind.

### 322. Interior Lighting Design

Fall, Spring. 3(2-2) HED 213; approval of department. Interdepartmental with and administered by the Department of Human Environment and Design.

The basic principles and practices of interior design lighting, light control, distribution, quality and quantity of light as it affects man's near environment

# 364. Architectural Drafting II Winter, 3(0-6) EGR 267.

Functional and standard procedure in the layout of floor plans in traditional and modern houses. Rendered plot plan and required details.

## 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) M E 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 Department of Natural Science.

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 CPS 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) SYS 410. Interdepartmental with and administered by Systems Science.

Completion of a system study initiated in SYS 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) EGR 364, or EGR 365.

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

### 480. Special Problems

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

# **ENGLISH**

# ENG

# College of Arts and Letters

### 091. English for Foreign Students-Structures

Fall, Winter, Spring, Summer. Zero credits. (3(5-0) See page A-2 item 3.) English language proficiency examination.

Explanation and intensive practice of basic grammatical structures of English. Students are tested and then placed in small groups, from beginning to advanced, depending on their need.

### 092. English for Foreign Students--Speaking and Listening

(092A.) Fall, Winter, Spring, Summer. Zero credits. (3(5-0) See page A-2 item 3.) English language proficiency examination.

Intensive speaking and listening practice of spoken English in small groups (determined by proficiency). For beginners, practice is largely drill. Advanced groups use drill, films, discussion, and practical conversations.

## 093. English for Foreign Students--Language Laboratory

Fall, Winter, Spring, Summer. Zero credits. (3(5-0) See page A-2 item 3.) English language proficiency examination.

Language laboratory practice in small groups (determined by proficiency). Beginnings review and supplement ENG 091, ENG 092. Advanced groups use carefully prepared lectures, speeches, and presentations to practice structures and vocabulary.

### 094. English for Foreign Students--Reading

Fall, Winter, Spring, Summer. Zero credits. (3(5-0) See page A-2 item 3.) English language proficiency examination.

Intensive and extensive reading in small groups (determined by proficiency). Beginners emphasize vocabulary development and practice in basic structures. Advanced classes include reading skills, wider reading, and specialized vocabulary.

## 095. English for Foreign Students-Writing

(092B.) Fall, Winter, Spring, Summer. Zero credits. (3(5-0) See page A-2 item 3.) English language proficiency examination.

Frequent controlled and free writing in small groups to reduce errors and practice using structures and vocabulary to express ideas. Advanced classes include writing styles used in academic course work.

# 101. Responses Through Writing

Fall. 4(4-0) Arts and Letters Freshmen only. Students must enroll in and complete ENG 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) ENG 101; Arts and Letters Freshmen only.

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

# 104. Writing for Science Majors

Fall. 3(3-0) Satisfactory grade in English proficiency exam or in Comprehensive English; College of Natural Science majors.

Writing workshop for science students that develops and refines composition ability. Approved through Summer 1980.

# 105. The Scientist as Writer Winter. 3(3-0) ENG 104.

Study of various types of writing by scientists—fiction, poetry, and autobiography as well as professional papers and books. Students will write frequently about the readings. Approved through Fall 1980.

# 106. Introductory Scientific Writing Spring, 3(3-0) ENG 105.

Writing of popular essays, scientific papers and reports, and other papers related to science. Approved through Winter 1981.

### 126. The Writer and Literature

Fall, Winter, Spring. 3(3-0) The first term of ATL 12I or above or ENG 101.

Modern literature from the writer's perspective. Students also write their own critical and creative work, using journal method.

## 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) 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.

## 207. Forms of Literature: Drama

Fall, Winter, Spring, Summer. 3(3-0) Open to Freshmen.

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

### Courses

### 208. Forms of Literature: Poetry

 $Fall, \ Winter, \ Spring, \ Summer. \ 3(3-0)$  Open to Freshmen.

Major /B 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) ENG 210.

A continuation of ENG 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.

### 220. English from Greek and Latin Roots

Fall. 3(3-0) Interdepartmental with and administered by Classical Languages.

Prefixes, roots, suffixes derived from Greek and Latin word elements used in formation of English words. Useful for improving vocabulary and spelling.

# 226. Introduction to Creative Writing

Fall, Winter, Spring. 4(4-0) The first term of ATL 121 or above or ENG 101.

Writing of fiction, drama, creative nonfiction, and poetry, with ample practice in several. Some reading of professional contemporary writing. Course organized as workshop, designed for beginning writers.

# 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 (A)

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.

## 242. Popular Literary Forms

Fall, Winter, Spring. 3(3-0) May reenroll 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 reenroll 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.

## 302. Introduction to English Language Studies

(401.) Fall, Winter, Spring, Summer.

4(4-0)
The English language, including such topics as social and regional dialects, sounds, grammar, usage, psycholinguistics and semantics. Atten-

# 303. Grammar and Usage

tion is given to practical applications.

Winter, Spring. 4(4-0) Completion of the ATL requirement or approval of department.

Survey of the history and philosophy behind standards of correctness. Review of traditional grammatical terms. Intensive study and practice of usage rules.

# 312. Advanced Workshop in Expository Writing

Winter, Spring. 3(3-0) ENG 213 or approval of department.

Directed practice in the writing of clear, concise, and forceful expository prose, with special emphasis on practical writing tasks like the composing of summaries, reports, and position papers.

## 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.

# 327. Playwriting

(300C.) Winter, Spring. 4(4-0) May reenroll 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.

# 328. Advanced Fiction Writing

(300A.) Fall, Winter, Spring, Summer. 4(4-0) May reenroll in ENG 328 andlor ENG 329 for a maximum of 12 credits. ENG 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 based on manuscripts submitted to the instructor.

# 329. Advanced Poetry Writing

(300B.) Fall, Winter, Spring, Summer. 4(4-0) May reenroll in ENG 328 and/or ENG 329 for a maximum of 12 credits. ENG 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 based on manuscripts submitted to the instructor.

### 330. Composition for Secondary English Teachers

(214.) 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.

# 331. Literature and the Adolescent

(301.) Fall, Winter, Spring. 4(3-4) ENG 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.

## 332. English Field Experience Internship

(309.) Fall, Winter, Spring, Summer. 3 to 5 credits. May reenroll for a maximum of 8 credits. ENG 330, ENG 331, or ENG 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.

# 340. Studies in Popular Culture

Fall, Winter, Spring. 3(3-0) May reenroll for a maximum of 9 credits. Majors: ENG 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

Fall, Winter, Spring. 3(3-0) Third term ATL course numbered ATL 123 or above or ENG 102.

The feminine sensibility as revealed in literary themes and characterizations, through a study of poetry and fiction written by women authors.

## 343. Regional American Literature

(375.) Fall, Winter, Spring. 3(3-0) May reenroll for a maximum of 9 credits if different topics are taken.

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.

# 344. Jewish-American Literature (A) (377.) Fall. 3(3-0)

The Jewish-American experience as reflected in fiction, drama, poetry, essay, autobiography, film

#### 347. Literature and Film

Fall, Winter, Spring. 3(3-0) ENG 208 or ENG 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.

#### 349. Afro-American Literature I

(449.) Fall, Winter, Summer. 4(4-0) Majors: ENG 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.

### Afro-American Literature II

(450.) Winter, Spring, Summer. 4(4-0) Majors: ENG 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.

### 351. English Literature I

Fall. 4(4-0)

Survey of English literature to Milton. Major representative writers and literary forms of the specified period.

### 352. English Literature II

Winter. 4(4-0)

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)

Survey of English literature, Blake to Hardy. Major representative writers and literary forms of the specified period.

#### 360. World Literature in English

(315.) 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.

### 361. World Literature in English Translation

(316.) 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.

### 362.Genres and Themes in World Literature

(317.) 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.

# African Literature in English

(318.) Winter, Spring. 3(3-0) HST 394 or HUM 295 or IDC 390 recommended.

Contemporary African literature written in English, including novels by Soyinka, Achebe, Ngugi, Armah, La Guma, and Ekwensi; plays and poetry by Clark, Hutchinson, Nkosi, Henshaw, Okara, Awooner, Okigbo, and others.

### Canadian Literature and Culture

(376.) Spring. 4(4-0) May reenroll for a maximum of 8 credits.

Canadian literature and culture in bicultural, historical and contemporary contexts.

### Classic Myths and Literature

(345.) 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.

### 366. Literary Interpretation of the

(346.) 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 lit-

### 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 litera-

### 399. Perspectives on Literature and English Language

Fall, Winter, Spring, Summer. 4(4-0) May reenroll for a maximum of 12 credits if different topics are taken.

A rich variety of perspectives on literature and English language for majors and non-majors. Approach and content differs with each section.

### Tutorial

Fall, Winter, Spring, Summer. 1 to 5 credits. May reenroll 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.

#### 402. Modern English Grammar

Winter, Spring. 4(4-0) ENG 302 or approval of department.

English morphology and syntax, incorporating insights from current linguistic theory and prac-

### 403. The Development of Modern English

Winter. Summer of even-numbered uears. 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.

#### 406. Comparative Linguistics

Spring. 5(4-0) ENG 402, ENG 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.

# Methods of Teaching English as a Second Language

Fall. 4(4-0) ENG 302 or ENG 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. 5(3-5) ENG 330 or ENG 331, ENG 302.

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) ENG 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

(408.) Fall, Winter, Spring. 4(3-4) ENG

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) ENG 330, ENG 331, or ENG 408A or ED 327D. ENG 332 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: ENG 208; others: 6 credits of literature. Chaucer's poetry, especially 'The Canterbury Tales'. Read in Middle English.

### 411.

Winter. 4(4-0) Majors: ENG 208; others: 6 credits of literature.

A representative selection of Spenser's poetry with special emphasis on 'The Faerie Queene'.

# 412.

Fall, Winter, Spring, Summer. 4(4-0) Majors: ENG 208; others: 6 credits of literature. Milton's prose and poetry, especially 'Paradise

# 417. Scandinavian Contributions to Literary Tradition

Fall. 3(3-0) Approval of department. Interdepartmental with the departments of German and Russian and Romance and Classical 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 and Classical Languages and administered by the Department of German and Russian.

Continuation of ENG 417.

## 421. Shakespeare

Fall, Winter, Spring, Summer. 4(4-0) Majors: ENG 208; others: 6 credits of literature. Study of the following representative plays: 'Richard II', '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) ENG 421.

Advanced study of several representative plays exclusive of those taught in ENG 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.

# 425. Writing as a Profession

Winter, Spring. 2(2-0) At least one creative writing course or approval of department. Discussion of many questions and problems experienced by students interested in professional writing. A variety of panels and lectures by people who know the field.

## 426A. Comparative Drama

Fall. 3(3-0) Majors: ENG 208; others: 6 credits of literature.

Studies in the development of drama: classical and medieval.

## 426B. Comparative Drama

Winter. 3(3-0) Majors: ENG 208; others: 6 credits of literature.

Studies in the development of drama: Renaissance and seventeenth century.

## 426C. Comparative Drama

Spring. 3(3-0) Majors: ENG 208; others: 6 credits of literature.

Studies in the development of drama: neoclassical and romantic.

### 426D. Comparative Drama

Fall, Spring. 3(3-0) Majors: ENG 208; others: 6 credits of literature.

The development of drama: Ibsen to World War II.

## 426E. Comparative Drama

Spring, Summer. 3(3-0) Majors: ENG 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 reenroll for a maximum of 9 credits. Majors: ENG 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: ENG 208; others: 6 credits of literature.

Special emphasis on Hopkins, Hardy, Yeats, Auden and Thomas.

# 441. American Literature: Colonial and Revolutionary Period

 $Fall.\ 4 (4-0)\ Majors:\ ENG\ 208;\ others:\ 6$   $credits\ of\ literature.$ 

Works of Taylor, Edwards, Franklin, Freneau and others.

# 442. American Literature: Early Romanticism

 $Fall.\ 4 (4-0)\ Majors:\ ENG\ 208;\ others:\ 6$  credits of literature.

Works of Cooper, Irving, Poe, Emerson, Thoreau and others.

# 443. American Literature: Later Romanticism

Winter, Spring, Summer. 4(4-0) Majors: ENG 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: ENG 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: ENG 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: ENG 208; others: 6 credits of literature. Works of Eliot, Pound, Frost and others.

### 452. Contemporary Literature

Fall, Winter, Spring, Summer. 4(4-0) Majors: ENG 208; others: 6 credits of literature. Contemporary British or American fiction, drama or poetry.

# 455. Tudor Literature

Fall. 4(4-0) Majors: ENG 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: ENG 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: ENG 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: ENG 208; others: 6 credits of literature.

Literature of later eighteenth century to 1785; Johnson and his circle, the novelists and others.

# 165. The English Romantic Period

Fall, Spring, Summer. 4(4-0) Majors: ENG 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: ENG 208; others: 6 credits of literature Continuation of ENG 465; Keats, Shelley, By-

# 467. Language and Culture

Fall, Spring. 4(4-0) Approval of department. Interdepartmental with and administered by the Department of Anthropology.

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: ENG 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: ENG 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 reenroll for a maximum of 9 credits. Majors: ENG 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: ENG 206, ENG 207, ENG 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: ENG 206, ENG 207, ENG 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) ENG 480 or ENG 481.

Literary criticism in response to a given work.

### 484. Literature and Psychology

Spring. 4(4-0) Juniors or approval of department. Interdepartmental with the Department of Psychology.

An application of psychological theory to the study of literature and an exploration of the ways in which literature enriches the theory which helps to illuminate it.

# 485. The English Novel Through the Eighteenth Century

Fall, Summer. 4(4-0) Majors: ENG 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: ENG 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: ENG 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 reenroll for a maximum of 8 credits. To receive credit, both ENG 491H and ENG 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 ENG 491H and ENG 492H.

# 492H. Studies in Period

Winter. 4(4-0) May reenroll for a maximum of 8 credits. To receive credit, both ENG 491H and ENG 492H must be completed satisfactorily. ENG 491H and approval of the departmental honors adviser.

Continuation of ENG 491H.

## 493H. Studies in Genre

Winter. 4(4-0) May reenroll for a maximum of 8 credits. To receive credit, both ENG 493H and ENG 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 reenroll for a maximum of 8 credits. To receive credit both ENG 493H and ENG 494H must be completed satisfactorily. ENG 493H and approval of the departmental honors adviser.

Continuation of ENG 493H.

### 496H. Special Topics

Fall, Winter, Spring. 4(4-0) May reenroll 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 reenroll for a maximum of 10 credits. Seniors and approval of departmental honors adviser.

A substantial piece of writing under the direction of selected faculty.

# 498. Topics in Comparative Literature

Fall, Winter, Spring. 3(3-0) or 4(4-0) May reenroll for a maximum of 12 credits if different topics are offered. Interdepartmental with the departments of German and Russian and Romance and Classical Languages and administered by the Department of Romance and Classical Languages.

Varying topics on relationships among writers, themes, genres, movements and periods in different national literatures, and between literature and other arts.

## 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.

The content of courses on both the 800-level and the 900-level may change from term to term, making possible a wide variety of course offerings. Students may enroll in a course for more than one term or in more than one section of a course during the same term, provided that duplication of content does not result. Brochures giving detailed information concerning all graduate courses to be offered during a given year are available in the English office throughout that academic year.

Courses numbered 900 or above (with the ex-

Courses numbered 900 or above (with the exception of 930, 970, and 999) are doctoral seminars. Students desiring to enroll in these courses must obtain departmental approval at least before registration, but if possible before the preenrollment period.

# 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) ENG 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

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

Gothic, Old Norse, and Old Irish.

## 807. Advanced Methods of Teaching English as a Second Language Fall. 3(3-0) ENG 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)

Chaucer and the literature of the fourteenth century.

# 811. Renaissance Literature

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

English nondramatic literature, 1500-1600.

# 815. Restoration and Eighteenth Century Literature

 $Fall,\,Winter.\,\,3(3\text{-}0)$ 

English literature, 1660-1798.

# Nineteenth Century Literature Fall, Winter, Spring, Summer. 3(3-0)

Fall, Winter, Spring, Summer. 3(3-6 English literature, 1798-1900.

### 821. Nineteenth Century American Literature

Fall, Winter, Spring, Summer. 3(3-0) American literature, 1820-1900.

# 824. Seventeenth Century Literature Winter, Spring. 3(3-0)

English nondramatic literature, 1600-1660, including Milton.

# 825. Comparative Literature: Studies in Theme and Idea

Fall. 3(3-0) May reenroll for a maximum of 9 credits. Interdepartmental with the departments of Romance and Classical Languages and German and Russian and administered by the Department of Romance and Classical Languages.

Myths, archetypes, 'Topi,' significant ideas and intellectual currents in different periods and cultural traditions.

# 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)

English and American literature, 1900 to the present, with attention to foreign backgrounds.

## Courses

### 830. Major Writers of American

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.

#### 833. Writing Workshop: Poetry

Fall, Winter, Spring. 3(3-0) May reenroll for a maximum of 6 credits. Approval of

Concentration on individual student's writing, through workshop discussion and conferences with instructor. Some attention to professional contemporary poetry.

### Writing Workshop: Fiction 835.

Fall, Winter, Spring. 3(3-0) May reenroll for a maximum of 6 credits. Approval of instructor.

Concentration on individual student's writing, through workshop discussion and conferences with instructor. Some attention to professional contemporary fiction.

### Writing Workshop: Drama 837.

Fall. 3(3-0) May reenroll for a maximum of 6 credits. Approval of instructor. Concentration on individual student's writing, through workshop discussion and conferences with instructor. Some attention to professional contemporary drama.

#### 840. Writing Workshop for Teachers

Fall, Spring, Summer. 3(3-0) or 5(5-0) Major in English-Secondary School Teaching or approval of department.

Exploration of the writing process through composition activities and examination of techniques for teaching writing.

### 841. Topics in the Teaching of Lnglish

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 de-

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 ENG 845.

#### 847. Reading and the English Teacher

Spring, Summer. 3(3-0) or 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.

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 reenroll for a maximum of 9 credits. Interdepartmental with the departments of Romance and Classical Languages and German and Russian and administered by the Department of Romance and Classical Languages.

Relations between literature and the sciences and other arts; social, historical, psychological, philosophical bases of literary study.

#### 862. Approaches to Literature

Winter, Summer. 5(4-0) Major in English--Secondary School Teaching or approval of department.

Literary and reading resources; discussion of critical approaches to and techniques for teaching literature.

### 871.Methods of Literary Research

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

Bibliography and use of library: preparation of reports, reviews, and scholarly papers.

### Comparative Literature: Methods in the Study of Comparative Literature

Fall. 3(3-0) Interdepartmental with the departments of German and Russian and Romance and Classical Languages.

Rationale and techniques of study in comparative literature.

### 879. Myth, Ritual and Folklore in Literature

Fall. 3(3-0)

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) ENG 885.

Continuation of ENG 885.

## 895A. College Teaching of English Language and Literature: History and Issues

Fall. 3(3-0) Approval of department.

Literature, literary criticism, writing, and reading in the English language as academic subiects.

### 895B. College Teaching of English Language and Literature: Reading

Winter. 3(3-0) Approval of depart-

ment.

Integration of the teaching of writing and reading in English with stress on relevant research in reading in such areas as: linguistics, applied linguistics, psycholinguistics, language acquisition.

### 895C. College Teaching of English Language and Literature: Writing

Spring. 3(3-0) Approval of depart-

ment.

Integration of the teaching of writing and reading in English with stress on relevant research in writing and composition such as linguistics, applied linguistics, psycholinguistics, and language acquisition.

### 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. Master's Thesis Research

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

#### 902.Comparative Literature: Studies in Form and Genre

Winter, Spring. 3(3-0) Inter-departmental with the departments of German and Russian and Romance and Classical Languages

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) Interdepartmental with the departments of German and Russian and Romance and Classical Languages.

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)

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 even-numbered years. Winter and Spring of odd-numbered years. 3(3-0) Liturgical beginnings to 1642.

#### 940. Studies in Shakespeare

Winter of odd-numbered years. 3(3-0) To receive credit, both ENG 940 and ENG 941 must be completed satisfactorily.

# Studies in Shakespeare

Spring of odd-numbered years, 3(3-0) To receive credit, both ENG 940 and ENG 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.

# The Reading Process and the Concept of Literacy 975.

Spring, 3(3-0) Approval of depart-

ment.

The contributions of language and literary studies to our understanding of the reading process and our definitions of literacy.

### Studies in English Language 980. Fall, Winter, Spring. 3(3-0)

The English language from the viewpoint of historical problems, literary analysis and pedagogical implications.

#### Seminar: Earlier English 981. Literature

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

Special problems in English literature, beginnings to 1660.

### 982 Seminar: Later English Literature

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

Special problems in English literature, 1660-1900.

### 983. Seminar: American Literature Fall, Winter, Spring. 3(3-0)

Special problems in American literature, beginnings to 1900.

### 984. Seminar: Twentieth Century Literature

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

Special problems in English and American literature, 1900 to the present.

### Seminar: Special Studies in 985. Literary Form and Theory Fall, Winter, Spring. 3(3-0)

Forms, genres, and movements.

### Seminar: American Literature 986. and Culture

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

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) Advanced graduates. Interdepartmental with the departments of Romance and Classical Languages and German and Russian and administered by the Department of Romance and Classical Languages.

#### 998. Advanced Writing for Doctoral Candidates

Fall, Winter, Spring, Summer. 3(3-0) Admission to a doctoral program or approval of

Training for writing dissertations and publishing in the sciences, humanitites, and other fields. Includes a detailed analysis of each student's style, methods of organizing, practice in editing, and individual conferences.

# Doctoral Dissertation Research

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

# **ENTOMOLOGY**

# **ENT**

# College of Agriculture and Natural Resources College of Natural Science

### Pesticides, Their Alternatives and Environmental Quality (N) 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) BS 211 and BS 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) ENT 301 or concurrently.

Insect diversity with emphasis on morphology, development, classification, identification, bionomics, and evolution. Stresses reproductive strategies and general adaptability as relates to the overall ecological success of insects.

# **Entomological Techniques**

Spring. 2(0-6) ENT 301 or approval of department; ENT 302 recommended but not required.

Field entomology, including collecting and rearing techniques and methods of specimen preparation and preservation. Practical experience in insect identification and bionomics. Collection required.

### 337. Forest and Shade Tree Entomologu

Fall, 4(3-2) Three terms of natural sci-

ence.

Ecological relationships of insect/tree interactions. Taxonomy of insects and recognition of insect injury. Biological, chemical, silvicultural and intergrated control methods. Insect collection required (see instructor during prior spring term).

#### Problems 401.

Fall, Winter, Spring, Summer. 1 to 6 credits. May reenroll 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.

### Apiculture and Pollination 410.

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, Spring. 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 subiects.

#### 415. Insect Behavior

Winter of even-numbered years. 3(3-0) ENT 301, ENT 302; ZOL 413 recommended. Mechanisms and adaptive significance of com-

munication, orientation, food and habitat selec-tion and behavioral rhymicity in insects.

### 418. Systematic Entomology

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

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

#### 420. Aquatic Insects

Spring. 4(3-3) ENT 301, ENT 302.

Biology, ecology and systematics of aquatic insects. Insect collection required.

#### 421. Stream Ecology

Fall. Summer-given at W. K. Kellogg Biological Station. 3(3-0) ENT 420 or approval of department. Interdepartmental with the Department of Fisheries and Wildlife.

An in-depth examination of 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 em-phasis on aquatic insects. Field trips required.

#### Agricultural Entomology 425.

Fall. 4(3-2) One year of biological or agricultural sciences.

Natural processes of insect populations and associated techniques that are important to agriculture.

### 438. Taxonomy of Immature Insects

Spring of even-numbered years. 4(1-9) ENT 418

Identification of immature insects with particular emphasis on the Holometabola.

#### External Morphology of Insects 440.

Fall. 4(2-6) ENT 301, ENT 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.