

EE 4803 Waveguide Structures

Three hours

This study of waveguide structures begins with a brief review of field theory and transmission lines. Topics include waveguide transmission, higher order modes, cavities, active and passive devices. Laboratory measurements of frequency, wavelength, power, attenuation, impedance and coupling are covered. Two hours lecture and one two-hour laboratory per week. Prerequisite: EN 3224

Offered upon sufficient request

EGL (English)

EGL 1013 English I

Three hours

Essay writing featuring several rhetorical styles: exposition, narration, argumentation, and description.

Offered each semester

EGL 1023 English II

Three hours

An introduction to literature through the study of short stories, drama, poetry, and novels. In addition to short compositions, a lengthy research paper is required.

Prerequisite: EGL 1013

Offered each semester

EGL 1093H Honors: Composition

Three hours

A course which has as its thematic core Native American and Ozark cultures. Focus is on research, problem solving, and speaking skills. Methods include experiential, reflective, integrative, and collaborative learning, and teaching by way of field experiences, group projects, interviews, guest speakers, and seminar-type participation. Prerequisite: admission to the Honors Program or permission of the Honors Committee

Offered fall semester

EGL 2213 World Literature I

Three hours

Readings from the major writers of the Western World from ancient through Renaissance. Includes readings from related non-Western literature. A scholarly paper is required. Prerequisite: EGL 1023

Offered fall semester (odd-numbered years)

EGL 2223 World Literature II

Three hours

Readings from writers of the Western World from the Enlightenment through the contemporary period. Includes readings from related non-Western literature. A scholarly paper is required. Prerequisite: EGL 1023

Offered spring semester (even-numbered years)

EGL 2243 Young Adult Literature

Three hours

An introduction to young adult literature as a genre, including an overview of the history of the field, experiences with representative samples of the literature, and guidelines to be used in the promotion and evaluation of such works for use in the classroom and family settings.

Offered spring semester

EGL 2313

See Adult and Continuing Education.

- EGL 3313 Medieval Literature** **Three hours**
 A study of early English literature from the Anglo-Saxon period through the fifteenth century. Authors may include Chaucer, Langland, and Kempe; anonymous works may include *Beowulf*, *The Dream of the Rood*, and *Sir Gawain and the Green Knight*. Most works will be read in translation; however, the course introduces students to broad concepts in the history of the English language. A scholarly paper is required. Prerequisite: EGL 1023 or equivalent
 Offered fall semester (odd-numbered years)
- EGL 3321 Grammarian** **One hour**
 Checking student papers for errors in English, tutoring, and making quizzes. Prerequisite or corequisite: EGL 3363
 Offered each semester
- EGL 3323 Renaissance Literature** **Three hours**
 A study of the masterpieces from the English Renaissance. A scholarly paper is required. Prerequisite: EGL 1023 or equivalent
 Offered spring semester (even-numbered years)
- EGL 3333 Shakespearean Drama**
 Representative comedies, tragedies, histories, and romances. A scholarly paper is required. Prerequisite: EGL 1023 or equivalent
 Offered spring semester (odd-numbered years)
- EGL 3341 Literary Magazine Practicum** **One hour**
 Working with the production of a literary magazine, including editing, formatting, and writing.
 Offered spring semester (odd-numbered years)
- EGL 3343 Restoration and Eighteenth Century Literature** **Three hours**
 A study of the major writers, genres, and issues of this period. Authors may include Dryden, Behn, Pope, Richardson, Johnson, and Burney; issues may include British colonialism and slavery, the rise of the novel, and the beginnings of British feminism. A scholarly paper is required. Prerequisite: EGL 1023 or equivalent
 Offered fall semester (even-numbered years)
- EGL 3353 Nineteenth Century British Literature** **Three hours**
 A study of the major British writers of the Romantic and Victorian periods. A scholarly paper is required. Prerequisite: EGL 1023 or equivalent
 Offered spring semester (odd-numbered years)
- EGL 3363 Advanced English Grammar** **Three hours**
 An intensive study of the systems of English grammar. Prerequisite: EGL 1023 and junior standing
 Offered fall semester
- EGL 3393 Advanced Composition** **Three hours**
 Writing techniques and practice in the different types and mechanics of writing. A scholarly paper is required. Prerequisite: EGL 1023 or equivalent, junior standing, or consent of instructor
 Offered spring semester

EGL 3583 Curriculum and Instruction: TESOL **Three hours**

Methods and materials for teaching English to non-English speakers. Course addresses classroom strategies, for teaching elementary children through adults survival English, and English for other specific purposes. Includes the skills to evaluate, select, access, and implement appropriate ESL materials and teaching strategies. (Same as ED 3583) Prerequisite: ED 2133

Offered upon sufficient request

EGL 4003 Masterpieces of Literature **Three hours**

Selections from ancient to contemporary world literature in drama, prose, and poetry. A capstone of the University Core Curriculum. Prerequisites: EGL 1023, HST 1003, and RPH 3002

Offered each semester

EGL 4043 Irish Literature **Three hours**

A reading-intensive overview of the literary history of Ireland through examination of selected works of writers William Butler Yeats, Oscar Wilde, George Bernard Shaw, James Joyce, C. S. Lewis, and others. A scholarly paper is required. Prerequisites: EGL 1023, HST 1003, and RPH 3002. May substitute for EGL 4003 in the Core Curriculum.

Offered summer, Irish Studies Program

EGL 4111 Careers for English Majors **One hour**

A seminar that explores the world of work as it relates to the skills developed in the English program and the individual strengths of the students. Prerequisite: senior standing

Offered fall semester

EGL 4413 American Literature I **Three hours**

Major American writers from colonial times to 1860. A scholarly paper is required. Prerequisite: EGL 1023 or equivalent

Offered fall semester (even-numbered years)

EGL 4423 American Literature II **Three hours**

Major American writers from 1860 to present. A scholarly paper is required. Prerequisite: EGL 1023 or equivalent

Offered spring semester (odd-numbered years)

EGL 4453 Seminar in Literature **Three hours**

Independent investigation of an area which is not covered in depth in other departmental offerings. A scholarly paper is required. Prerequisite: 12 hours in English

Offered upon sufficient request

EGL 4473 Selected Topics: Creative Writing **Three hours**

Instruction in a designated genre of writing, such as poetry, creative non-fiction, or biography. A scholarly paper is required. May be repeated for credit, as topics vary each semester. Prerequisite: EGL 1023 or equivalent

Offered spring semester

EGL 4483 Selected Topics: Literature **Three hours**

In-depth study of a literary topic of interest. Options: a. Author, b. Period, c. Genre, d. Topic. (See one example below.) A scholarly paper is required. Prerequisite: EGL 1023 or equivalent

Offered each semester

Contemporary Literature

A study of the modern and contemporary masters from Europe (in translation), England, and America. A scholarly paper is required. Prerequisite: EGL 1023 or equivalent

EGL 4493 Composition Theory Three hours

A study of the history and development of writing as an academic discipline with emphasis on how various aspects and styles of writing are valued, taught, and assessed at different levels of education. Prerequisite: 12 hours of EGL
Offered fall semester (odd-numbered years)

EGL 4611, 4612, 4613 Independent Study/Research One to three hours

Independent study supervised by a member of the English faculty. A scholarly paper and/or a significant research project is required. Enrollment by permission of the department.

Offered upon sufficient request

EGL 4713 Literary Theory Three hours

A study of the primary texts of literary criticism and aesthetics from Plato to the present. Focuses on developing knowledge and application of the various ideas from the different schools of thought. Prerequisites: EGL 1013, 1023, and one upper-level literature course. Prerequisite or corequisite: RPH 3002
Offered fall semester (odd-numbered years)

EN (Engineering)

EN 1112 Engineering Concepts and Design I Two hours

A first course in engineering involving basic engineering concepts and the design process. Topics covered include an introduction to the profession, technical sketching, conceptualization, the design process and the use of solvers, simulations, spreadsheets and computer drafting.

Offered fall semester

EN 1121 Production Technique Laboratory One hour

Basic training in the areas of welding, metal fabrication and machine tools. Two two-hour laboratory periods per week.

Offered spring semester

EN 1123 Engineering Concepts and Design II Three hours

A study of introductory concepts in statics, dynamics, thermodynamics, electric circuits, digital logic and engineering design. Attention is given to feasibility, economics, product liability, and patents. Software solvers, simulators, rapid prototyping, and CAD are used. There is a team design project. A Christian perspective of design is developed using design in nature

Offered spring semester

EN 2112 Introduction to Microcomputers Two hours

A basic study of operation and programming. Includes architecture, instruction sets, data manipulation, memory, input/output, some case studies of applications, and design problems. Prerequisite: CS 1113 or equivalent

Offered fall semester