

ENGINEERING

EGR

College of Engineering

- 160. Engineering Communications**
Fall, Winter, Spring. 4(1-6) MTH
108 or 111 or concurrently.
Engineering graphics, a means used by engineers to communicate their ideas to others. Freehand sketching, descriptive geometry, and graphical, numerical and computer problem solutions.
- 161. Mechanical Drawing**
Fall, Winter, Spring. 2(0-4)
Lettering and use and care of instruments. Orthographic projection, working drawings, machine sketching and isometric drawing.
- 162. Mechanical Drawing**
Fall, Winter, Spring. 2(0-4) 160 or 161.
Continuation of 161 with emphasis on freehand lettering and sketching, advanced working drawings.
- 200. Technology and Society**
Winter. 3(3-0) One term of American thought and language.
An attempt to describe and analyze portions of current technology and its desired and undesired consequences; an exploration of avenues for assessing such consequences for future technologies.
- 260. Machine Drawing**
Fall, Winter, Spring. 3(0-6)
Advanced orthographic projection, detail, and assembly drawing, sections and conventions, tracings, illustration and other pictorial drawings of mechanical elements.
- 263. Structural Drawing**
Winter. 3(0-6) An engineering graphics course.
A comprehensive study of space planning relative to residential and light-commercial interiors. Building materials, fixtures, and mechanical equipment will be studied with respect towards application and installation.
- 267. Architectural Drafting I**
Fall, Winter, Spring. 3(0-6)
House construction detailing. Analysis and drawing of typical standard details.
- 268. Descriptive Geometry**
Fall. 3(2-2) 160, 161.
Problems involving relations of points, lines, and planes. Intersections, developments, coplanar, and noncoplanar vectors.
- 270. Computer Graphics**
Spring. 3(3-0) 160 or 161; CFS
110 or 120 or LBC 125; or approval of department.
Use of computer controlled display systems for the solution of multidimensional problems.
- 364. Architectural Drafting II**
Winter. 3(0-6) 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.

- 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.

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.
- 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.
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) Arts and Letters Freshmen only.
A writing workshop 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.
†See page A-2 item 3
- 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)
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.
- 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 of 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(3-1) 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.
- 228A. Fiction Writing**
Fall, Winter, Spring, Summer. 4(4-0)
206 and written approval of department.
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 department.
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.