

Numerical Methods for Engineering

(petition for Honors credit)

Course & Class Num: ECE 2331, 14772
 Time & Location: TTH 2:30 – 4:00, E223 D3
 Instructor: Barr

This course provides students with an introduction to linear algebra and numerical methods. The emphasis is on engineering applications and computational techniques. Topics include solution of nonlinear equations, numerical, integration and differentiation, interpolation, matrix and vector arithmetic, systems of linear equations, matrix inverses, determinants, approximate solutions of linear and nonlinear systems, least squares, eigen values, diagonalization, and numerical solution of initial value problems. In addition, the use of standard numerical and symbolic software packages is discussed and assignments using these tools are made.

There are two major exams, seven homework assignments, three computer projects, and a final exam. Students petitioning for Honors credit will meet with Dr. Barr to discuss appropriate enrichment material.

Engineering

Technology in Western Culture

Course & Class Num: ENGI 3301H, 15686
 Time & Location: TTH 2:30 – 4:00, 7 AH
 Instructor: Valier

For more information about this course, which is cross-listed in History, please see description on page 25.

English

Introduction to Literary Studies

(petition for Honors credit)

Course & Class Num: ENGL 3301, 28509
 Time & Location: TTH 10:00 - 11:30, 113 C
 Instructor: Pipkin

This section of English 3301 is designed to be an introduction to literary studies in several different respects.

The works we will study have been chosen to offer historical range and context. We will begin with the seventeenth century poet John Donne and proceed to the Victorian Age as it is mirrored in Charles Dickens's novel *Great Expectations* and twentieth-century Modernism with its desire to "make it new" as it is illustrated by James Joyce's novel *A Portrait of the Artist as a Young Man*. The second half of the course will emphasize modern American literature. In addition to reading selected poems, we will focus on Toni Morrison's novel *Song of Solomon*.

The course will also introduce the students to a variety of critical approaches. For the week on Donne's poetry, we will use the close textual analysis favored by New Criticism. I have chosen the Bedford Case Studies editions of the Dickens and Joyce novels because they include essays that represent important contemporary literary theories such as psychoanalytic criticism, reader-response criticism, feminist criticism, deconstruction, and new literary historicism. We will spend three weeks on each of these novels so that the students can study the works from the perspectives of several of these models of interpretation.

The course requirements are active participation in class discussions, a 2-page response paper to a poetry reading of the student's choice, a group oral report, two 5-7 page critical essays, a final 10-page research paper.