

Numerical Methods for Engineering

(Petition for Honors credit)

Course & Class Num: ECE 2331, 18566
Time & Location: MW 5:30 – 7:00, E223 D3
Instructor: Betty J. 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

Introduction to Engineering

(There are two sections of this course available)

Course & Class Num: ENGI 1100H, 20296
Time & Location: TTH 1:00 – 2:30, N61 D
Instructor: Diana de la Rosa-Pohl

Course & Class Num: ENGI 1100H, 20300
Time & Location: TTH 1:00 – 2:30, 102 D
Instructor: Adam Capitano

This is a team-based, project-oriented course that focuses on fostering creative, open-ended thinking—an important trait for any engineer to possess. The course grade is primarily based on consistent performance in team design projects and other assignments (no traditional exams are given). The hallmark of this course is series of (in)famous “MacGyver” projects, which challenge you to create a design meeting specified criteria while using only a limited amount of everyday materials provided by your instructor.

In addition to learning about teamwork and engineering design, we will introduce the topics of engineering ethics and communication skills. You will also learn about each of the seven undergraduate majors offered at UH by interacting with faculty from each engineering department. Regardless of your specific engineering major, this class will help you succeed in your future engineering courses, and promises to be a lot of fun in the process!

English

Freshman English Composition I

(There are two sections of this course available)

Course & Class Num: ENGL 1303H, 20362
Time & Location: MWF 11:00 – 12:00, 322 AH
Instructor: TBA

Course & Class Num: ENGL 1303H, 20484
Time & Location: MWF 10:00 – 11:00, 322 AH
Instructor: TBA

This course will study the strategies and techniques of written argument. The goal of this class is to develop the students' ability to analyze and produce writing designed to persuade a specific audience and to develop their researching abilities.

Shakespeare's Major Works:

Shakespearean Economics

(Petition for Honors credit)

Course & Class Num: ENGL 3306, 20682
Time & Location: MWF 10:00 – 11:00, TBA
Instructor: Ann C. Christensen

This course will sample Shakespeare's writing from the earliest poems to his last play (a romance) and include comedies, tragedies, and a historical play. As a point of entry into the early modern period, we'll take ideas of property (and props), economics, and change and study how Shakespeare dramatizes such matters as domestic and marital property, the ownership of land, relationships among masters and servants, and the identities associated with various kinds of ownership or lack thereof. The course will emphasize writing and careful