The textbook for the course is “Applied Numerical Analysis Using Matlab,” Laurene V. Fausett.

1. Chapter 1, Introduction
2. Chapter 2, Finding zeros of one variable functions
3. Chapter 3, Solving systems of linear equations: direct methods
4. Chapter 4, Solving systems of linear equations: Iterative methods
5. Chapter 5, Finding zeros of functions of several variables
6. Chapter 6, LU factorization
7. Chapter 7, Eigenvalues
8. Chapter 8, Interpolation
9. Chapter 9, Approximation
10. Chapter 10, Fourier Methods

**Grade Policy:** There will be numerous (almost daily) in-class short quizzes. The three lowest scores on these quizzes will be thrown out and the remainder will count for one exam score. Homework assignments will count an additional exam score. The two additional scores will come from two in-class written exams.

**Important Dates:** January 21, Monday, Martin Luther King Jr. day. University holiday; University holiday; February 20, Wednesday, Last day to drop a course and receive an automatic W; March 9, Saturday, classes dismissed for spring vacation; March 18, Monday, Classes resume; April 1, Monday, Day of no classes; April 23-29, Tuesday-Monday, Period of no examinations except for make-up exams or scheduled lab exams; April 26, Friday, Last day to drop a course; April 29, Monday Last day of classes. Tuesday May 7 from 4:30 P.M. to 7:00 P.M. period of final exam.

**ADA Accommodations and Religious Observance:** Any student who, because of a disability, may require special arrangements in order to meet course requirements should contact me as soon as possible to make necessary arrangements. The instructor may request verification of need from the Dean of Students Office. A student who must miss an exam due to observance of a religious holy day must notify the instructor in advance of all such dates no later than the 15th day after the first day of class.