The textbook for the course is “Advanced Engineering Mathematics,” (Eighth Edition) by E. Kreyszig. The course will cover the Chapters and Sections listed below. In addition I have included a list of homework assignments. The specific assignments are subject to change in class as the need arises.

1. Chapter 1, (1.1-1.6) a) Sec 1.1, page 8, 1-17 odd; b) Sec 1.2, page 12, 3, 4, 6, 9; c) Sec 1.3, page 18, 3-11 odd, 12-15, 20, 21; d) Sec 1.4, page 23, 2, 4, 6; e) Sec 1.5, page 31, 1-19 odd, 25-37 odd; f) Sec 1.6, page 38, 3-21 odd, 31-37 odd.

2. Chapter 2, (2.1-2.3), 2.6, (2.8-2.10), 2.13-2.15) a) Sec 2.1 page 71, 3-12; b) Sec 2.2 page 75, 1-25 odd; c) Sec 2.3 page 80, 1-21 odd; d) Sec 2.4 page 83, 1-11 odd; e) Sec 2.6 page 96, 2-9, 14-17; f) Sec 2.8 page 103, 1-13 odd; g) Sec 2.9 page 107, 1-9 odd 15-21 odd; h) Sec 2.10 page 111, 1-13 odd; i) Sec 2.13 page 131, 1-5 odd, 11-17 odd; j) Sec 2.14 page 137, 1-15 odd; k) Sec 2.15 page 141, 1-11 odd.

3. Chapter 5, 5.1-5.8 (omit 5.7) a) Sec 5.1, page 257, 1-39 odd; b) Sec 5.2, page 264, 1-9 odd; c) Sec 5.3, page 273, 1-29 odd; d) Sec 5.4, page 278, 1-15 odd; e) Sec 5.5, page 283, 1-31 odd; f) Sec 5.6, page 289, 1-9 odd.

4. Chapter 10, 10.1-10.4, 10.8, 10.9 a) Sec 10.1, page 529, 1, 7-17 odd; b) Sec 10.2, page 536, 1-13 odd; c) Sec 10.3, page 540, 1-11 odd; d) Sec 10.4, page 546, 1, 3, 5, 7, 12, 13, 17; e) Sec 10.8, page 563, 1-17 odd f) Sec 10.9, page 568, 1,11;

**Grade Policy:** There will be 3 exams in class, with no makeupst given under any circumstances. In addition, there will be one pop quiz randomly given each week. After throwing out the two poorest scores from these quizzes, the remaining scores will be combined to give one additional exam score. The final will consist of two separate exams, one covering the first half of the course and the other covering the second half of the course. At the end of the semester you will have a total of 6 scores (3 in class exams, 1 score based on the quizzes and 2 final exam scores). Your grade will be determined by averaging the best 4 scores from your total of 6 scores. **Remember:** no makeups, no cheating and no talking in class except for questions (which I strongly encourage). Homework will be assigned daily but will not be used in determining your grade.

**Important Dates:** September 4, Monday Labor Day. University holiday; October 9, Monday Last day to declare pass-fail intentions. Last day to drop a course and receive an automatic W; November 22-26, Wednesday-Sunday, Thanksgiving holiday; December 1, Friday, Last day to drop a course with “wp” with the instructors permission (if you are passing the class) or “wf”; December 6, Wednesday, Last day of classes; Final: Tuesday, Dec. 12, from 1:30 p.m. to 4:00 p.m..

**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.