Advanced Engineering Mathematics

Time: T.R. 2:50pm-4:05pm
Place: L/L CM 216

Professor Jun Yu, Room 207A, 16 Colchester Ave
Phone: 6-8539   Email: Jun.Yu@uvm.edu
http://www.cems.uvm.edu/~jyu/
Office Hours: M.W. 2:30-4:00pm or by appointment

Textbook:

Topics:

- Chapter 1 First Order Differential Equations (5 lessons)
- Chapter 2 Linear Second Order Equations (3 lessons)
- Chapter 3 The Laplace Transform (4 lessons)
- Chapter 6 Matrices and Systems of Linear Equations (3 lessons)
- Chapter 7 Determinants (3 lessons)
- Chapter 8 Eigenvalues and Diagonalization (2 lessons)
- Chapter 9 Systems of Linear Differential Equations (3 lessons)
  Exams and Review (4 lessons)

Grading:

There will be (about) seven quizzes (30%), two midterm examinations (20% each, tentatively at 7:30pm on Thursdays, Oct 15 and Nov 19, respectively) and a final examination (30%, scheduled at 1:30pm on Friday, Dec 18). To learn mathematics, you must do the assigned reading and homework problems in the textbook. Homework assignments will not be collected. However, all quizzes will be based on the homework problems from the text. The quizzes are not for make-up, however, you are allowed to drop one lowest quiz.
Remarks:

1. Missed Exam: A student who misses a scheduled exam without a valid reason will be assigned a grade of zero. A student must notify the instructor prior to the exam if a problem occurs. Missing an exam without prior contact and instructor’s approval, even for a valid reason, will incur a severe grading penalty. Also, you must make arrangements immediately to make up the missed test. If you do not take the make-up test within a week, you will receive a zero as a score.

2. To ensure appropriate attention, students with disabilities who are eligible for accommodations are expected to notify the course instructor at the beginning of the semester.

3. UVM’s policy on academic honesty has been communicated to you by the Dean of Students Office.

4. Religious Holidays: Students have the right to practice the religion of their choice. Each semester students should submit in writing to their instructors by the end of the second full week of classes their documented religious holiday schedule for the semester. Faculty must permit students who miss work for the purpose of religious observance to make up this work.