

MATH 152 – Engineering Mathematics II, Spring 2010

Sections 513, 514, 515, TR 2:20 pm–3:35 pm, HELD 111

About your instructor:

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Web page: <http://www.math.tamu.edu/~ptretkoff/>

Office Hours (in Milner 332)

Tuesdays and Thursdays: 10:00 am – 11:00 am; 1:00 pm – 2:00 pm; and by appointment.

Weekly recitations and Computer Labs (TA: Seul ki Kang)

Section 513: MW: 03:00–03:50, M in CE 137, W in BLOC 122

Section 514: MW: 12:40–1:30, M in CE 136, W in BLOC 126

Section 515: MW: 01:50–02:40, M in CE 223, W in BLOC 124

Required texts:

1) *Calculus: Early Vectors*, J. Stewart et al; Brooks/Cole, ISBN: 1428251421.

2) *MATLAB: An Introduction with Applications*, A. Gilat, 3rd edition; John Wiley & Sons, ISBN: 0470108772.

Departmental Course Website for MATH 152

Go to: <http://www.math.tamu.edu/courses>, then click on “Course Listing and Syllabi”, then click on “MATH152”

Course schedule: <http://www.tamu.edu/courses/math152/currentsched.html>

Course Description:

Credit 4. The first part of the course covers applications and techniques of integration. The second part deals with infinite sequences and series along with an introduction to three-dimensional analytical geometry and vectors. The class meets twice a week in lecture, once in recitation, and once in computer laboratory. The recitation is designed for you to discuss homework problems with your teaching assistant (TA) and take written quizzes. In computer laboratory, you will use the mathematical software package Matlab on weekly assignments. Prerequisite: MATH151 or equivalent.

Exams:

Exam I: Thursday, February 18, 2010; 7:30–9:30 pm

Exam II: Thursday, March 25, 2010; 7:30–9:30 pm

Exam III: Tuesday, April 27, 2010; 7:30–9:30pm

Final Exam: Wednesday, May 12, 2010; 1:00–3:00 pm

Exams I,II, and III will be common to all MATH152 students. Rooms will be announced later on the web page for MATH152. The final examination (not a common exam) will be given in the class room (HELD 111). You are responsible for providing a scantron form for each exam: you will be asked to give these forms to your TA prior to the exam.

Weekly Quizzes: During the Wednesday recitation meetings, weekly quizzes will be administered which cover the previous week’s material. It is imperative that you stay caught up with the material.

Weekly Matlab Assignments: Each week, starting week 2, a Matlab assignment will be due. These assignments will be due at the beginning of the lab class. The schedule for Matlab can be found on the departmental website for MATH152 (see above).

Online Homework: Online homework is required in all MATH152 classes. Information can be found at: <http://www.math.tamu.edu/ehmwk>

Grading Scheme: Final grades will be determined by 3 common exams, a comprehensive final, weekly quizzes, the Matlab assignments, and the online homework as follows:

Common exams I, II and III are each worth 1/6 of the final grade. The final exam accounts for 1/4 of the final grade. The online homework counts for 1/20. Quizzes are worth 1/10. Matlab assignments make up 1/10. The increased weight of the final exam reflects the cumulative nature of the course.

The final grade for the course is determined as follows:

No lower than A= 90%–100%, No lower than B= 80%–89%, No lower than C=70%–79%, No lower than D=60%–69%, F=0%–59%.

I may curve the grades as a function of the overall performance of the entire class (all sections included together).

Make-ups: Make-ups for major exams will be given only in case of an absence authorized under University Regulations. You will need a note from your doctor or your academic advisor. If you have trouble reaching me, leave a message with the MATH departmental secretaries (845-7554) and be sure to leave your phone number.

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