Math 152.504-506 (Engineering Mathematics II)

Course Information

Course Description and Goals

From the Catalog: Engineering Mathematics II. (3-2). Credit 4. I, II, S. Differentiation and integration techniques and their applications (area, volumes, work), improper integrals, approximate integration, analytic geometry, vectors, infinite series, power series, Taylor series, computer algebra (Maple). Prerequisite: MATH 151 or equivalent.

The first part of this 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 three times 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 Maple 10.

- A detailed syllabus is available at http://calclab.math.tamu.edu/docs/math152/syllabus/currentsched.html.

- Suggested homework for the entire course is available at http://calclab.math.tamu.edu/docs/math152/syllabus/currenthw.html.

Instructor and Class Information

Dr. Jon Pitts  
Office: Milner Hall, Room 312  
E-mail: j-pitts@tamu.edu  
URL: http://www.math.tamu.edu/~jon.pitts/  
Lecture meets MWF 11:30–12:20 in HELD 111.  
Computer Laboratory meets:

- 152.504 meets T 11:10–12:00 in BLOC 130.

- 152.505 meets T 3:55–4:45 in BLOC 130.

- 152.506 meets T 5:30–6:20 in BLOC 127.

Recitation meets:

- 152.504 meets R 11:10–12:00 in ARCC 305.
152.505 meets R 3:55–4:45 in ZACH 119C.

152.506 meets R 5:30–6:20 in BLOC 164.

There will be frequent Help Sessions and Weeks in Review. Office hours are provisionally MW 12:40-1:30 and by appointment.

Textbooks


Basis for Grading

There will be three common examinations worth 50% of your grade. The schedule and weighting of the common examinations is as follows. Rooms are TBA.

- Exam 1 (15%): Thursday, February 15, 2007, 7:30-9:30 pm.

- Exam 2 (15%): Thursday, March 22, 2007, 7:30-9:30 pm.

- Exam 3 (20%): Tuesday, April 24, 2007, 7:30-9:30 pm.

There will be a final examination worth 25% of your grade. The final examination for 152.504-506 is scheduled for Wednesday, May 9, 2007, 10:30 am-12:30 pm.

The remaining 25% of your grade is determined as follows.

- Online homework (5%).

- Maple (10%).

- Quizzes in lecture or recitation, announced or unannounced (10%). There are no makeups for quizzes. It is essential that you attend class and recitation.

- Frequent suggested homework will be provided but not graded. It is very important that you work steadily and thoroughly on these problems. When you have questions, please ask for assistance.
Americans with Disabilities Act (ADA) Policy Statement

The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you believe you have a disability requiring an accommodation, please contact the Disability Services Office in the Department of Student Life, Room B118 of Cain Hall or call 845-1637.

Academic Integrity Statement

An Aggie does not lie, cheat, or steal or tolerate those who do. The Honor Council Rules and Procedures are available on the web at http://www.tamu.edu/aggiehonor.