

Fall 2011

Math 251-Engineering Mathematics III

Section 503
Section 511

MWF 11:30 - 12:20
MW 4:10 - 5:25

HELD 109
Blocker 166

Instructor: Dr. Sheng-Chi Liu

Office: Milner 002

Email: scliu@math.tamu.edu . Please put "Math 251" in the subject line of all course related emails.

Office Hours: TBA. (Check Instructor's webpage)

Textbook: *Calculus: Early Vectors*, by James Stewart.

Instructor's Webpage: <http://www.math.tamu.edu/~scliu>

Departmental Course Webpage:

<http://www.math.tamu.edu/courses/math251/>

Prerequisites: Math 152 or equivalent.

Course Description We will cover the following topics:
vector algebra, calculus of functions of several variables, partial derivatives, directional derivatives, gradient, multiple integration, line and surface integrals, Greens and Stokes theorems.

Grades and Exam schedule:

Assessment	Points	Date
Exam 1	100	October 5
Exam 2	100	November 9
Final Exam	150	see below
Quizzes	100	approximate weekly

Final Exam Schedule:

section 503: December 12, Monday 10:30am - 12:30pm

section 511: December 13, Tuesday, 3:30pm - 5:30pm

Unless otherwise announced, no calculators etc. will be allowed on any of the exams. Any appeals of grades on the midterm exams or quizzes must be made within one week of the graded exams being returned to the class.

Your letter grade will be determined from your total points as follows:

$A > 90\%$, $90\% > B > 80\%$, $80\% > C > 70\%$, $70\% > D > 60\%$, $F < 60\%$.

Suggested Homework: It is strongly recommended that you do the suggested homework problems. A list of these is available on the departmental course webpage. As these will not be turned in, you may wish to work on them in groups. Doing these problems will help you on the exams and quizzes.

Quizzes Quizzes will also be given approximate weekly and will be based on the suggested homework and lecture notes.

Review and help sessions: The math department provides help sessions for Math 251. Details will be announced as they become available.

Absences: Make-up exams and quizzes will only be allowed for university approved excuses which must be verified in writing. See <http://student-rules.tamu.edu/rule7.htm>. As noted in the university attendance policy, a “University Sponsored Activity” is not automatically an excused absence. A plane ticket is not an excused absence.

If feasible, University policy requires written notification in advance. Otherwise, two working days are allowed for notification. Excuses must have some form of written verification such as a doctor’s note. Occasionally extra time will be required to obtain written verification and the make-up exam or quiz may be administered before the documentation is produced. Verbal requests do not count as written notification.

If you miss a lecture, you are responsible for obtaining lecture notes from another student. You are also responsible for determining if any announcements were made.

Americans with Disabilities Act (ADA) notice: “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 Department of Student Life, Disability Services Office, in Room B118 of Cain Hall or call 845-1637.”

Academic integrity: The Aggie Code of Honor is “An Aggie does not lie, cheat, or steal or tolerate those who do.” For more information, see <http://www.tamu.edu/aggiehonor>. If you are unsure what is permitted on an assignment, ask.

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Tentative Schedule

Week	Date	Sections
1	8/29 - 9/2	11.1 - 11.4
2	9/5 - 9/9	11.5-11.7
3	9/12 - 9/16	11.8, 12.1-12.2
4	9/19 - 9/23	12.3-12.5
5	9/26 - 9/30	12.6-12.8
6	10/3 - 10/7	Review, Exam 1 (10/5), 13.1
7	10/10 - 10/14	13.2-13.4
8	10/17 - 10/21	13.5, 13.6, 13.8
9	10/24 - 10/28	13.9-13.11
10	10/31 - 11/4	14.1 -14.3
11	11/7 - 11/11	Review, Exam 2 (11/9), 14.4
12	11/14 - 11/18	14.5, 14.6
13	11/21 - 11/25	14.7, Thanksgiving (11/24, 11/25)
14	11/28 - 12/2	14.8 -14.9
15	12/5 -12/6	Review