

Math 4013 - Vector Calculus

Syllabus - Summer 1998

- Instructor: Dr. Birne Binengar
430 Mathematical Sciences
Tel. 744-5793
Email: binegar@okstate.edu
- Office Hours: Mondays and Wednesdays at 1:00 pm, MS 430
- Required Text: *Vector Calculus*, Forth Edition,
by J.E. Marsden and A.J. Tromba, W.H. Freeman, ISBN 0-7167-2432-4
- Prerequisites: Calculus II and Linear Algebra
- Course Objectives: Students entering the course are expected to be competent at differentiation and integration and to have a solid understanding of the notions of vectors and vector spaces. Upon completing this course, students should understand the basic theory of partial differentiation, multiple integration, and the fundamental integral theorems of vector analysis.
- Homework: Homework problems will be assigned daily in class. All the homework assigned during a given week will be due at the beginning of the first class of the following week. Several of the homework assignments will involve the use of the computing facilities at the MLRC (Mathematical Learning Resource Center), located in the basement of South Murrury.
- Examinations: There will be two midterm examinations worth 100 pts each and one final examination worth 150 pts. If for any reason a midterm examination is missed, then the percentage correct on the final examination will be used as the score on the missed examination.
- Grades: Grades will be determined exclusively from homework, midterm, and final exam scores.

2 Midterm Examinations	200 possible pts.
Homework and Quizzes	50 possible pts.
2 Midterm Examinations	200 possible pts.
Final Examination (5:00 p.m., Dec. 15)	<u>150 possible pts.</u>
	400 possible pts.

Letter grades will be assigned as follows:

A:	360	-	400 pts.
B:	320	-	359 pts.
C:	280	-	319 pts.
D:	240	-	279 pts.
F:	0	-	239 pts.