Math 4013 - Vector Calculus

Syllabus - Summer 1998

Instructor: Dr. Birne Binegar
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,

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 Murray.

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.

<table>
<thead>
<tr>
<th>Component</th>
<th>Points</th>
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<tbody>
<tr>
<td>2 Midterm Examinations</td>
<td>200 possible pts.</td>
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<tr>
<td>Homework and Quizzes</td>
<td>50 possible pts.</td>
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<tr>
<td>2 Midterm Examinations</td>
<td>200 possible pts.</td>
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<tr>
<td>Final Examination (5:00 p.m., Dec. 15)</td>
<td>150 possible pts.</td>
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<td>400 possible pts.</td>
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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.