

SYLLABUS

MATH 275 — MULTIVARIABLE & VECTOR CALCULUS
Section 002, BSU, Spring 2011

INSTRUCTOR: Shari Ultman
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OFFICE: MG 236D (BSU campus)
OFFICE HOURS: WF 12:00-1:30pm, and by appointment.
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The best ways of getting in touch with me are either by e-mail (which I check regularly) or by talking to me before class or during office hours. You are also welcome to drop by my office at any time — if I'm there and have time, I'll be happy to talk. Assignments, announcements and documents for this course will be posted on the course website:
<http://math.boisestate.edu/~shariultman/teaching/spring11/275spring11.html>

CLASS MEETINGS: MTuWF from 1:40–2:30pm, Math/Geoscience Building Room 108 (BSU campus). I do not take attendance. You are responsible for all information covered in class, posted on the course website or distributed via e-mail.

PREREQUISITES: Math 175.

TEXTBOOK: *University Calculus, Part Two (Multivariable)*, Hass, Weir & Thomas; Addison Wesley, 1st ed., 2006.

Course Overview

Math 275 is an introduction to the geometry of curves and two- and three-dimensional regions, and the calculus of vector-valued functions and functions of more than one variable. This course covers four main topics: vectors and vector operations; the geometry and calculus of curves in two- and three-dimensional space; derivatives and integrals of functions of two and three variables; and finally, vector calculus. These should not be regarded as four separate subjects, but rather as a progression of related material. This course requires a solid foundation in the calculus of functions of a single variable, as both differentiation and integration are central to this class.

Evaluation

- EXAMS (60%). There will be three midterm exams and a final exam. If your midterm scores are all higher than your final score, then each of the four exams will count equally. Otherwise, the final will count for twice as much as the midterms and the lowest midterm score will be dropped. Make-up exams will be granted at my discretion, and only for verifiable reasons.

EXAM DATES:

Midterm 1: Friday 11 February 2011 (in class)

Midterm 2: Friday 11 March 2011 (in class)

Midterm 3: Friday 15 April 2011 (in class)

Final: Wednesday 11 May 2011 (1:00–3:00pm)

- QUIZZES (30%). Quizzes will be given at the beginning of class on Fridays. The lowest quiz score will be dropped. There will be no make-up quizzes.
- HOMEWORK (10%). Homework will be collected at the beginning of class on Fridays. Late homework will not be accepted. Homework consisting of answers copied from the the book will receive a score of zero.

GRADING SCALE: The default grading scale is: 90%–100% an A, 80%–89% a B, 70%–79% a C, 60%–69% a D and below 60% an F. Any changes to this scale will be such that a higher letter grade is assigned to a lower percentage.

Calculators

The use of graphing calculators will not be allowed during quizzes and exams. You will be allowed to use a scientific calculator on all quizzes and exams. Note cards will be permitted for exams, but not for quizzes.

Academic Honesty

It is your responsibility to be familiar with BSU's policies regarding academic honesty. For more information, go to:

<http://registrar.boisestate.edu/catalogs/online/general-policies.shtml>