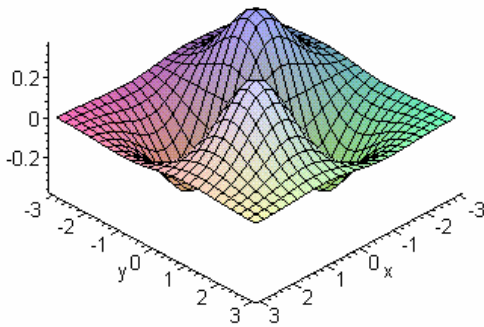


**MTH 236 Calculus IV
Semester 082 (Winter 2009)
Course Syllabus**



Instructor: Karen E. Donnelly
Office: Core 257
Office Phone: 6297
Home Phone: 866-8997
email karend@saintjoe.edu

Office Hours

Monday 2:00 p.m. -- 3:00 p.m.
 Tuesday 10:00 a.m. -- 11:00 a.m.;
 2:00 p.m. – 3:00 p.m.
 Wednesday 2:00 p.m. – 3:00 p.m.

Thursday 10:00 a.m. -- 11:00 a.m.;
 2:00 p.m. – 3:00 p.m.
 Friday: 10:00 a.m. – 11:00 a.m.
Contact for appointment during other times

Home page URL: www.saintjoe.edu/~karend

Calculus Web Page URL: www.saintjoe.edu/~karend/m236

Text: Larson, Hostetler, and Edwards, *Calculus*, Eighth Edition, 2006. Houghton Mifflin Company.
 ISBN: 0-618-50298-X

Course Objectives:

1. To investigate the theory of vectors and the calculus of vector-valued functions.
2. To study the calculus of functions of several variables.
3. To become proficient in using the computer (Maple) as a mathematical tool for exploring vector-valued functions and functions of several variables.

Course Outline:

1. Vector-valued functions (Chapter 12)
2. Functions of two or more variables (Chapter 13)
3. Multiple integrals (Chapter 14)

Tentative Scheduled Test Dates:

Exam # 1 -- Wednesday February 4th
 Exam # 2 -- Wednesday March 11th
 Exam # 3: -- Friday April 17th
 Final Exam (comprehensive) -- Tuesday April 29th 1:00 p.m.

Grade Distribution:

Assignments, Quizzes:	30%
Three Exams:	40%
Final Exam (comprehensive):	25%
Attendance and Participation:	05%

Grading Scale:

93%-100%	A	90%-92%	A-		
87%-89%	B+	83%-86%	B	80%-82%	B-
77%-79%	C +	73%-76%	C	70%-72%	C-
67%-69%	D+	60%-66%	D		
59% or Below	F				

Expectations and Requirements:

Special Note: If you are a student with a disability, please meet with me immediately to discuss the accommodations you will need during class activity, examinations, and out of class assignments in order to participate fully and demonstrate your abilities.

1. Academic Honesty: Plagiarism or other forms of academic dishonesty on any assignments, tests, or quizzes will not be tolerated. If the instructor finds that a student has engaged in dishonesty, the student may be referred to the Dean of Academic Affairs for appropriate action.

2. Quizzes and Exams: Students are expected to be present for all exams. **No exams or quizzes may be made up** unless the student has contacted the instructor and received permission **prior** to the date of the original exam or quiz. This includes students participating in athletics who must arrange to take the quiz or exam **on or before the scheduled date**.

3. Assignments: Assignments, unless otherwise specified by the instructor, are to be **completed individually**. While students are encouraged to **consult** each other for ideas for assignments, the solutions should be completed individually. Any help one student gives another should be instructional help only. If the instructor feels that a student has not completed an assignment individually, the instructor may question the student on that assignment. The student should be able to explain how he/she worked the problem and should be able to work similar problems. **Late assignments will not be accepted without permission.** *If permission is given, the following penalties may be assigned:*

**1 day late: 10% reduction; 2 days late: 20% reduction; 3 days late: 30% reduction
Not accepted after 3 days late.**

Homework Guidelines:

- Write out complete answers NEATLY and CLEARLY.
- Number each exercise to the left.
- Problems should proceed in numerical order from top to bottom.
- You must show your work! Correct mathematical notation must be used. Partial credit is given when work is shown even if answer is incorrect. However, correct answers without any work shown will in general be given no credit.
- If the problem is a computation leading to a final answer, box the answer.
- **Use pencil and eraser** -- do not scratch out work.
- **Staple** your pages together before submitting.

Start homework early and see me for help with problems you don't know how to work! *It is inappropriate to ask how to do a problem in class the day it is due!!!!* My office is Core 257-- See my schedule for office hours or call or send email for an appointment. I am always delighted to help.

4. Class Preparation and Participation:

a) **Keep up with reading assignments.** To receive the maximum grade on attendance and participation the student must read assignments **prior** to class, be prepared to ask and respond to questions, and be an actively engaged participant in class.

b) Take good notes and **review notes** on a regular basis as well as promptly begin and continue work on assignments as they are assigned.

c) **Attendance is required.** If you must miss class due to illness or other valid excuse (e.g. athletic event) please send me email or telephone with an explanation prior to the class date.

d) **Electronic Equipment in class.** No devices with headphones may be used in class. All cell phones must be turned off during class. No laptops may be used in class unless permission is given by instructor.

5. Getting Help: Students who do not understand a concept should do the following:

- a) Ask questions in class. (More than likely other students do not understand as well.)
- b) Seek individual help from the instructor. I am more than willing to give you the extra help you may need. Come in during office hours or make an appointment. Tutoring (free) can also be arranged either through me or through counseling services.
- c) Share with me any concerns you may have or any suggestions you have for the class structure that will help you learn more effectively.

The above content and requirements are tentative and subject to change according to time constraints and other factors as determined by the instructor.