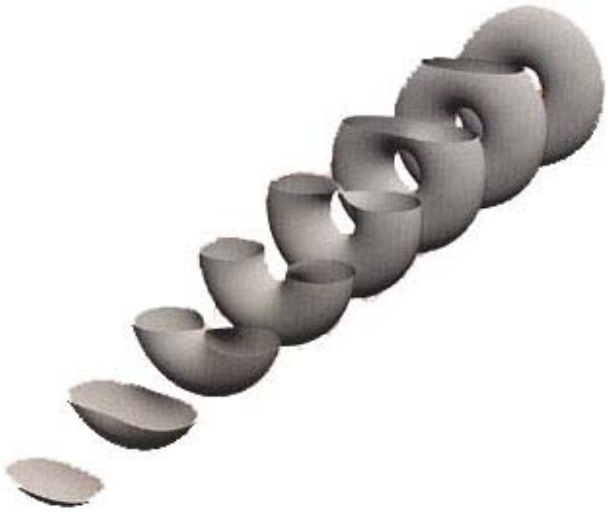
Mathematics 32-Honors Section
Several Variable Calculus
Fall 2011



Instructor: Professor Asuman G. Aksoy
Office: Adams Hall 215
Extension: x72769
Email: **aaksoy@cmc.edu**

Class Times: MW 12:00-1:10 pm
Location: Davidson Lecture Hall
Textbook: **Vector Calculus** by J. Marsden
Office Hours: MW 1:30 – 2:30pm, and by appointment

Course Description:

The topics covered will be those of Math 32-several variable calculus with more emphasis on rigor and deeper understanding of the underlying mathematics. **This course is not designed exclusively for majors in mathematics;** it is expected to be special value to any eligible student without regard of her or his field of interest. Topics include vectors and vector functions, calculus of multivariable functions, multiple integration, line integrals and Green's theorem, surface integrals and stokes and Gauss's theorems.

Course Policies:
Homework, quizzes, two midterms, and a final will add up to the final grade.

Final Grade is computed as follows:

15% Homework
15% Midterm #1
15% Midterm #2
15% Midterm #3
40% Final

Homework:

Homework is essential in learning several variable calculus. You are encouraged to talk to other students about difficult problems – after you have found them difficult. BUT you must write your own solutions. The homework's will be assigned daily, but will be collected once a week. No late homework will be accepted!

Midterms:

Midterm #1: September 28th.
Midterm #2: October 24th
Midterm #3: November 23rd.

Final Exam and Exam Policy:

Tuesday, December 13th, 7:00 pm.

The final exam will be comprehensive.
Midterms, and the final exam will only be given on the above scheduled dates. If you miss an exam with an approved excuse, your final exam will be more heavily weighed accordingly. The final exam will not be rescheduled for any reason, unless an incomplete has been granted.

Homework Grader:

Matthew Cravens (**mcravens14@cmc.edu**).

Tutoring:

Tutoring services will be held in the Math Commons Room (Adams Hall 213, down the hall from Poppa Lab) from 8:00 – 10:00pm, Sundays through Thursdays.

Remark:

If you are thinking of studying in a subject which requires more mathematics than just calculus, such as any branches of science especially physics, economics or engineering, this course is the best preparation for linear algebra, analysis courses taken usually in the second year.

I advise my students to listen carefully the moment they decide to take no more mathematics courses. They might be able to hear the sound of closing doors.

~ Caballero, James