

Math 292 Z8: Vector Calculus Supplement

General Information:

Instructor: Melissa Dennison
E-mail: masimmon@math.uiuc.edu
Office Hours: Mon 11-noon, Wed 2-3pm (in 239 Altgeld) or by appt.
CA: Jaimini Patel
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Websites:

Calculus and Mathematica Website: <http://cm.math.uiuc.edu>
Classcomm website: <http://cm.math.uiuc.edu/classcomm>
My website for Math 292: <http://www.math.uiuc.edu/masimmon/292>

Text:

There is no printed textbook for this course. Instead all your lessons and homeworks are on the Vector Calculus CD *Calculus&Mathematica*. The CD can be purchased online at <http://www.matheverywhere.com> or bought at the bookstores. Make sure you obtain the version that is compatible with *Mathematica 6*.

This CD is your “textbook” for the course. It does not contain the program *Mathematica* itself, which you will also need access to. *Mathematica* can be found on computers in many labs around campus or you can buy a student copy at www.cites.uiuc.edu/software.

Grading:

		<i>A</i>	90 – 100%
		<i>B</i>	80 – 89%
		<i>C</i>	70 – 79%
		<i>D</i>	60 – 69%
		<i>F</i>	0 – 59%
<i>Mathematica Notebooks</i> (10) :	50%		
<i>Midterm Exam</i> :	25%		
<i>Final</i> :	25%		

The final grade is subject to the condition that you cannot obtain more than one letter grade higher than your Exam/Final Exam average. That is, your percentage average in this course will be truncated at 10% higher than your Exam/Final Exam average.

Exams:

Our midterm exam will be held Wednesday, October 21st at 4:00PM, covering sections 1.09, 2.05, and VC.01-VC.06. Our final exam will be held Wednesday, December 9th at 4:00PM, covering VC.07-VC.11. Both exams will be one hour long, and a conflict exam time will be offered in each case. All exams are written and calculators are not allowed. The review problems on my webpage should serve as a guide to the types of problems you should expect on the exams.

Mathematica Notebooks:

All homework assignments will be posted on ClassComm. You are expected to check ClassComm frequently as this is how you will be notified about assignments, exams, etc. The "Give it a Try's" can be done individually or in groups of 2-3. Submit only one assignment per group with the names of the group members typed at the top. There must be sufficient work along with your answers. Type out your solutions in complete sentences and highlight all your work in a crazy color so we can see it clearly.

Homework will always be due at 11:59PM. Late assignments will be accepted with a penalty of 10% per day up to 3 days. After 3 days, the folder is locked and no more assignments are accepted. ALWAYS back up your work!

Working on Assignments:

There are many labs on campus that have *Mathematica*. Specifically, 24 Illini Hall - which is open whenever there are classes (see the sign on the door), 239 Altgeld - which is open Mon-Fri 8-4 and Sun-Thur 7-9pm, and Granger Engineering Library. When you are in one of these labs, you need only the C&M courseware to complete your assignments.

If you would rather work from home, you need a student copy of *Mathematica* as well as the C&M courseware. You can buy a student copy of *Mathematica* at <http://www.cites.uiuc.edu/software>. Links are posted on the ClassComm page.

Math 290:

This is a course in using Mathematica. The grade is determined by the average of your Mathematica Notebooks in Math 292 section Z8. There is no extra work involved, but you may only take this course once. The correct section for this course is Math 290 T with call number 52109. You may need a form from 313 Altgeld to register for this course.

Odds and Ends:

We will not meet in the classroom, except for the two hour exams. If you have questions about *Mathematica* or the material, you may send an e-mail to myself or Jaimini Patel, or you are welcome to attend our office hours. We will hold extra office hours the first week to help get you started. It is easy to fall behind in a self-paced course. Make sure you start each assignment with plenty of time left to ask questions. Don't wait until the day it's due to start! This type of course may take some getting used-to, but I'm sure we'll have a great semester!