2010 Spring Math 425 SEC 2 — Advanced Multivariate Calculus Syllabus

General information

• Lectures: LGRT rm 319, TuTh 9:30AM - 10:45AM
  Please check on https://spark.oit.umass.edu
  for the most updated information about lecture schedule and announcements

Professor: HongKun ZHANG  email: hongkun@math.umass.edu
Office: LGRT 1340
phone: (413)-5452871
Office Hours: (Tentative) Monday 3:00-4:00 pm and Thur 3:00 pm -4:00 pm; or by appt.

Course Web Page: For up to date course information and announcements, check the Spark Course Management System (Blackboard). PLEASE CHECK IT REGULARLY since important news may be posted there

• Attendance: is required for all classes. Should you miss a class, it is your responsibility to get notes from your classmates.

Course content

Book: "Vector Calculus" (fifth Edition) by Marsden and Tromba
I would like to cover all chapters but not in their entirety starting with chapter 2. However, this is just a tentative syllabus and is subject to change.

Homework

Homework assignments will be posted each week on Spark as Assignment. Part of the homework will be collected and graded. Late homework won’t be accepted. We will have 6 homework assignment, each worth 40 points. In the end, the lowest score will be dropped.

Instructions: write your last and first on each sheet you are turning in. Do not use the same sheet for two different exercises. Illegible and untidy homework won’t be graded.

IMPORTANT!!!
You are encouraged to discuss the course material with other students. However, anything that you turn in MUST BE YOUR OWN WORK. You are allowed to use the textbook to do the homework. Due to the amount of material to be covered in this course, the pace may be at times fast. Since later sections will depend on ideas covered earlier, it is important not to fall behind. You are expected to read the sections that we cover in the lectures. We will not have time to cover all examples but you are expected to read the entire section and be familiar with it.

Exams

There will be two mid term exams and one final exam. Exams are closed books, closed notes and no calculator. Grades will be curved, if needed, at the end of the course.
Grade distribution

100%: Final; 200%: Midterms; 200%: Homework (40 × 5)

What if a student misses a midterm?

- if for any reasons you are going to miss or you missed a midterm, please WRITE ME AN EMAIL immediately and explain your situation. I might ask a letter of explanation from the Health Office or from the appropriate Dean.

- if you have provided a suitable justification, I will assign to the missing midterm the same grade you will get in the final exam. More precisely, I will proceed as follows. Let us consider an example: student X is ill and she is not able to come to class for the midterm. She writes me explaining her situation. For the moment she does not get any grade in the midterm. The course ends, there is the final exam and student X gets 180 points over 200 possible points. Her percentage in the final is hence 90%. Thus, in the midterm she gets the grade which corresponds to a percentage of 90%.

Important remarks

- Students with disabilities are invited to meet with me during office hours to discuss accommodation of their needs. If you cannot come during office hours, please write me an email and we will fix an appointment when it is convenient for you. Students requesting any academic accommodation in the classroom should provide a letter prepared by SSD.

- Students are expected to know and respect the standards of academic integrity.

General Advice

- Come to every class. Attending the class is a chance for you to ask questions.

- Do not leave the homework to the last minute, but instead work at a steady pace during all the trimester.

- If you do not understand something, do not avoid the issue, but ask for help (see below for a list of resources)

Resources

- Questions are most welcome during classes

- For longer questions, you are invited to discuss with me during office hours. If you cannot come during office hours, please write me an email and we will fix an appointment at a time which is convenient for you.

- Don’t forget to read the textbook!!