Math 411 0301, Spring 2020

TuTh 12:30pm - 1:45pm CSI 1122

Dr. M. Machedon. Office: Math 3311. Email mxm@math.umd.edu

Office Hour: Tuesdays and Thursdays 11:30-12:20


Course description: We will cover Chapters 10-17 of Advanced Calculus by P.M. Fitzpatrick. We might also go quickly over some of the topics in chapters 18-20, as well as additional topics such as integration on $k$ dimensional "surfaces" in $\mathbb{R}^n$, but these will not be covered on the final exam. The prerequisite for this class is Math 410.

Grading: Homework = 20%, 3 In Class Exams= 15% each, Final Exam= 35%. Students who get less than 50% of the maximum possible score will receive an F.

The in-class exams will be on Thursday, March 5, Tuesday, April 14 and Tuesday, May 5.

The final exam will be on Tuesday, May 19 from 1:30 to 3:30pm (OK)

Make-up policy: There will be no make-ups for in-class exams. In the case of an absence due to illness, religious observance, participation in a University activity at the request of University authorities, or other compelling circumstances, your blank grade will be replaced by the average of your other in-class exams.

No late homework will be accepted. Homework assignments missed due to one of the above reasons will be replaced by the average of the other homework grades.

The major grading events for this class are the three in-class exams and the final. I will accept a self-signed note which acknowledges valid reasons for missing one exam, but will require formal written documentation (such as from a medical provider) for subsequent absences.

After each in-class exam students have one week from when the exam is returned to appeal the grading. Appeals for the final grade must be made in writing.

During exams, students are expected to apply the ideas they learn to some problems that are significantly different from the examples and homework they have seen.
On exams students must write by hand and sign the following pledge:
I pledge on my honor that I have not given or received any unauthorized assistance on this examination.
This does not apply to homework, where it is acceptable to exchange ideas with other people.

Students who require special examination conditions must register with the office of Accessibility and Disability Services (ADS) in Shoemaker Hall. Documentation must be provided to the instructor. Proper forms must be filled and provided to the instructor before every exam.

The University's policy on religious observance and classroom and tests states that students should not be penalized for participation in religious observances. Students are responsible for notifying the instructor of projected absences within the first two weeks of the semester. This is especially important for final examinations.

I will communicate with the class by e-mail. You are expected to have a correct e-mail address. You can update your e-mail address at http://www.testudo.umd.edu/apps/saddr/

All problem sets are due at the beginning of class, as follows:

Problem set 1, due Tuesday, February 4
10.1: 2 (use Cauchy-Schwarz), 4, 7 (use C-S), 13
10.2: 1, 2, 3, 8
10.3: 1 (no need to give reasons), 3

Problem set 2, due Tuesday, February 11
11.1: 6, 7, 11
11.2: 6, 7
11.3: 2, 4

For class discussion, not to be turned in: Supplemental problems 1), 2) from "Math 411 practice problems" available at http://www.math.umd.edu/~matei/

Problem set 3, due Tuesday February 18
11.4: 1, 4, 5
12.1: 2a, 3, 4, 11

Problem set 4, due Tuesday, February 25.
12.2: 1, 9, 10, 11
12.3: 8

For class discussion, not to be turned in: Supplemental problems 8) from my "Math 411 practice problems" available at http://www.math.umd.edu/~matei/
The first in-class exam will be on Thursday, March 5. It will cover Chapters 10, 11, 12 (up to 12.3).