

Math 411.0101- Advanced Calculus II
Spring 2014
MWF 11:00 - 11:50, Math Building B0427

Instructor: Dr Swarnava Mukhopadhyay

Office: Mathematics Building 4309

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Office Hours: Tentatively MW 10:00-11:00, F 9:00-10:00 and by appointment

In addition to my office hours Mr Bhatia (Room: 1104 Math Building) has office hours for Math 411: T(2:00), W(2:00), Th(2:00). To get help from Mr Bhatia, you need to make a appointment by email (mbhatia@math.umd.edu).

Course Website: <http://www.terpconnect.umd.edu/~swarnava/411.html>

Text: Advanced Calculus, 2nd edition, by Patrick Fitzpatrick, Thomson Brooks Cole, 2006. ISBN: 0-534-37603-7.

Course Descriptions: Math 411 is the second semester of Advanced Calculus, covering much of Calculus III at a very technical level. The course is a proof and definition based course. We will cover most of chapters 10, 11, 13-20 of the text. There will be an emphasis on carefully proving the results and also lots of computations. Our discussions will be centered around the concepts, related proofs and many examples.

Homework: There will be graded homework assignments that will be collected once a week. You are encouraged to work and learn together via homework, but it is important to make sure that you have a personal mastery of the material. You may work together, but the work you turn in must be your own. In particular, copying answers from an outside source (another student, solutions manual, tutor, the internet, etc.) is forbidden. No late homeworks will be accepted. No homework will be dropped but your lowest point in each homework will be dropped.

Quizzes and In-class work: There may be short quizzes. These may or may not be announced. In addition to quizzes there will be in-class like problems sessions, worksheets etc. Your lowest quiz grade will be dropped

Tests: There will be two tests in addition to the final. No make up tests will be given. The two tests together count for 200 points. The lower of the two exam grades will be replaced by the final grades. For example (7,8,9) will become (9,8,9) but (7,8,6) will remain the same. The two tests will be given, in class, on the following *approximate* dates (subject to change):

- Test 1: March 12 Wednesday
- Test 2: April 25, Friday

Final: Cumulative final is on May 17 from 8:00-10:00 AM. Under no circumstances will the final exam be given early.

Grading(tentative): All grades will be assigned by the standard 10-point scale. Pluses and minuses will be assigned at the instructor's discretion. The breakdown of your final grade in the course will be as follows:

Homework	100 points
In-class work	50 points
Test	200 points
Final Exam	200 points

Makeup Policy No makeups for tests, quizzes and homeworks. I will not accept late homeworks.

Classroom Etiquette: Students are expected to attend every class meeting with all communication devices turned off. Please make sure your cell phone does not ring during the lectures and distract others. Please do not use headphones, laptops during the class.

I would like to encourage everybody to ask questions. Without questions, the lectures could feel uninteresting and monotonous. Maintaining a perfect learning atmosphere is a responsibility of every student in the class. Please refrain from carrying on conversations during the lectures. This type of private conversations can be distracting to me and every one else in the class.

Resources: Course materials, announcements, and homework assignments will be posted on the course website. You should take advantage of the instructor's office hours and Mr Bhatia's office hours.

Honor Code: It is expected that each student will conduct himself or herself within the guidelines of the UMD Honor System. All academic work should be done with the high level of honesty and integrity that this university demands. For more information, please visit <http://shc.umd.edu/code.html>.