

Math 482 - Principles Of Mathematical Analysis II

Section 6M

Spring 2000

Instructor: Brian Heck
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Office Hours: 8:30 -11:00 am MWF
1:00 - 3:30 pm TTH
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Course Description: (Catalog) Three-dimensional theory and applications; infinite series; conformal mappings; partial differential equations.

Prerequisites: Math 481

Text: Advanced Calculus: A Friendly Approach (1st ed.) by Witold Kosmala

Your final semester grade will be computed from the following components.

Board Work: Almost every day, students will put homework problems on the board. On occasion I will lecture to help with a major misunderstanding, or to jumpstart some discussion. The majority of class time however will be spent presenting problems and discussing them. You will be graded on how successfully you present each problem, on how many you present, and on the difficulty of each problem. **This will account for 25% of your final semester grade.**

Turn In: Every Friday you will be required to turn in one homework problem. It must be one you did not present at the board, but it may be one that was presented by someone else. If you wish, you may turn in more than one problem, as again, this grade will be affected by how well you do each problem and how many you turn in. Also, if you receive a grade of 'D' or 'F' on a turned in assignment, you may turn in a "Re-Do" the next week to improve the grade. The maximum grade on a "Re-Do" is a 'B'. Please write "Re-Do" on the top of a resubmitted problem. You may only "Re-Do" a problem once. **This will account for 25% of your final semester grade.**

Exams: We will have 2 exams (a mid-term exam and a final exam) this semester. They will both be comprehensive in that they will cover all material covered prior to the exam and they are both required. The mid-term exam will be an in class exam. The tentative dates of the exams are included in this syllabus. They most likely will not change, but if they do I will let you know in class. You are responsible for knowing when each exam will be held. If you know you are going to miss one of our exams, please let me know in advance, and we can schedule a make up. If you miss an exam without letting me know, you will only be able to make it up if you have a valid excuse. **This will account for 50% of your final semester grade.**

Attendance: I will not include attendance as part of your course grade. I do, however, expect you to attend everyday. You are responsible for any and all material covered in class. If you miss any class, it is up to you to meet with me (if necessary) and catch up on the material you missed.

We will cover parts of chapters 1, 2, 3, 4, 5, and 6 in our text. You will be required (on all presented problems, turned in work, and both exams) to demonstrate knowledge and understanding of all the material. I believe that if you (1) come to class (2) do your homework and (3) ask questions when confused, you will do very well in this course.

Important Dates:

Final Date to Add Courses or Drop Without a "W" - **Friday, January 21**

Mid-Term Exam - **Friday, March 3**

Final Date to Drop Courses With a "W" - **Thursday, March 23**

Final Exam - **Saturday, May 13 10:00 am - 12:00 pm** (subject to change)