MATH 4/517 - SECTION 01

INSTRUCTOR
Brian Martensen
Office: Wissink 273
Office Phone: 389.1213
email: martensen@mnsu.edu
Office hours: T 1-2, H 3-4, F 9-10 or by appointment.

Required Text


Prerequisites

Math 223 and 290 with a grade at least a C.

Course Objective

This course is designed to help take the student from math major to mathematician. The concepts and proof techniques found in analysis are fundamental in mathematics. It is therefore our goal to improve these proof techniques and establish a solid foundation from which to launch into higher math.

Schedule

• Exam 1: Take home due Monday, October 1
• Exam 2: Take home due Monday, November 5
• Final Exam: TBA

Grading

There will be 12 homework assignments, each counting 10 points. Homework is collected on Fridays. These assignments are hard and mastering them is the key to success in this class.

There will be four in-class quizzes covering definitions, major concepts and standard proof techniques called “conceptualzaminations” and the (tentative dates for those are September 14, September 28, October 19 and November 2. Each conceptualzamination will count 20 points.

There will be three exams given throughout the semester. The first two are take-home exams and are due as described above. The rules and policies for these exams will be given with the exam. The last will be given during our final exam time. Each counts 100 points. Make-ups will be granted only in the case of documented extreme medical emergency.
The homework and exams total 500 points. Your course grade is then given by the scale:

A = 400 - 500
B = 350 - 399
C = 300 - 349
D = 250 - 299
F = less than 250

I may lower these numbers, but I will not raise them.

Classroom participation will only raise my opinion of you, which can affect your grade, so ask and answer questions. If you wish to argue about points assigned, you must do so within a week of the return of the work in question. Further, I reserve the right to lower your points if I feel you are merely haggling.

What you can do now to help your final grade

READ! READ! READ! I hope that you will find the lectures brilliant and stimulating, but I simply will not go over every detail of the book in class. You will be tested over many of those details. It is my strongest advice that you read each section at least twice. However, reading it twice in a row will do you little, if any, good. You should plan to read each section once before you do the assignment on it and once after.

Students are strongly encouraged to work together and discuss homework. By working with someone else you will be learning to communicate in Mathematics. Ideally, you should discuss the homework with other students and then do the homework on your own. Each student must hand in his or her own work for any collected assignments, even if the ideas were created jointly.

Take advantage of my office hours!
Read!
Do the Homework on time!
Keep your hands and feet inside the classroom at all times!
And Please, No Flash Photography!