

# MATH 311:001 CRN 81131

Advanced Calculus

Summer 2009

M, T, W, Th 10:30–11:35, NH 385

**Instructor:** Dr. Gerardo Lafferriere

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**Office Hours:** M, W, Th 12:00–12:45 T, 9:30–10:15 (or by arrangement)

**Grading:** will be based on homework, two midterm exams (July 14th, August 3rd), and a comprehensive final exam (Friday, August 14th, 10:30–12:50). The final grade will be computed (approximately) as follows: homework (25%), midterms (40%), final exam (35%). (Your exact grade may differ by a few percentage points based on class participation and the professional evaluation of the instructor.)

**Homework:** A problem set will be assigned about once a week. The assignment will be graded. Late homework will receive *half the credit* if turned in by the following class and *no credit* after that. You are also required to read the upcoming section from the book before class. While you are encouraged to discuss problems with others the homework assignment is individual work.

**Exams:** The tests will be closed-book and without calculators. The tests will include both problems to be solved as well as the basic theory developed in class in the form of definitions, examples, and theorems. Tests must be taken on the scheduled dates. Make-ups will not be allowed unless proper justification is presented.

**Textbook:** *Analysis: with an Introduction to Proof, Fourth Edition* by Steven R. Lay, Pearson Prentice Hall 2005. We will follow this book very closely.

**Syllabus:** We will cover most sections from Chapters 1 through 5 and a couple of sections from Chapter 6. See the tentative daily plan available on-line.