Math 261, Honors Calculus I, Fall 2004

Class Time: MTuWF 2-2:50p.m. in 303 Deady

Instructor: Dr. Marcin Bownik

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Office Hours: 10–11a.m. Monday and Friday, 3–4p.m. Wed., or by appointment

Textbook: *Calculus*, third edition by Michael Spivak

1. **Background and Goals.** This course introduces students to differential calculus from the theoretical point of view, how calculus works as well as how to use it. Topics include limits, continuity, and derivatives. An ability to read, understand, and write proofs will be stressed. A precise knowledge of concepts and definitions is essential. The course, which is the first of three in the sequence, covers most of the chapters 1–11 of Spivak.

2. **Exams.** There will be two midterm in-class exams on Wed. 10/20, and Wed. 11/10 and a final exam on Thus. 12/9, 3:15p.m.–5:15p.m.

3. **Discussions.** In addition to 3 weekly lectures on MWF, there is a discussion class on Tuesday.

4. **Homework.** Homework problems will be assigned each week and be due in on the following Wednesday on the material of the previous week. No late homework will be accepted.

   In general, most students find homework problems in this course to be difficult and challenging. You should expect to spend a long time to do most of the problems. This is perfectly normal and expected. Hard work and practice with homework problems are essential in succeeding in this course.

5. **Grading.** The grading distribution will be as follows:

Homework:	20%
Each of the Midterm Exams:	20%
Final Exam:	40%