Math 315, Elementary Analysis, Winter 2004

Class Time: MTuWF 11-11:50a.m. in 303 Deady

Instructor: Dr. Marcin Bownik

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Office Hours: 9-10a.m. Monday and Friday, 1-2p.m. Wed., or by appointment

Textbook: *Elementary Analysis: The Theory of Calculus,*
        by Kenneth A. Ross, Springer-Verlag New York

1. **Background and Goals.** This course introduces students to the subject of mathematical analysis. Topics include continuity, convergence of sequences and series of numbers, convergence of sequences and series of functions, and Riemann integral. An ability to read and write proofs will be stressed. A precise knowledge of definitions is essential. The course covers most of the chapters 1–4 of Ross and selected topics in the remaining chapters 5–6.

2. **Exams.** There will be two midterm in-class exams on Wed. 1/28, and Wed. 2/18 and a final exam on Wed. 3/17, 10:15a.m.–12:15p.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.

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

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