

## The course

This is a first rigorous, proof-oriented course in the calculus of functions of one real variable. The course covers the real number system, notions of convergence of sequences and series of real numbers and of functions, continuity and differentiability, and the Riemann integral.

**Textbook** The textbook is *Fundamental Ideas of Analysis* by Michael C. Reed, John Wiley & Sons, Inc., 1998. We will cover chapters 1–6.

**Prerequisites** The official prerequisites for this course are Math 220 and Math 221. The essential background you need is (a) some experience in formulating and understanding rigorous, logical mathematical arguments, and (b) some knowledge of elementary calculus.

**Venue** The course meets 9:35–10:50 on Tuesday and Thursday in room 164 of the Blocker building.

**Home page** The home page for the course is <http://www.math.tamu.edu/~harold.boas/courses/409-2000a/>.

## The instructor

The best way to contact the instructor, Dr. Harold P. Boas, is via e-mail to [boas@math.tamu.edu](mailto:boas@math.tamu.edu). Office hours are in 202 Milner Hall, 13:00–14:00 on Tuesday, Wednesday, and Thursday; and by appointment. The office telephone number is (409) 845-7269.

## Grading

There will be examinations during class on Thursday, February 17 and Thursday, March 30. The final examination will be 12:30–14:30 on Friday, May 5. Each of these three examinations will count for 25% of the course grade. Homework, projects, and in-class work will account for the remaining 25% of the course grade. Final letter grades will be based on the standard scale: you need an average of 90% for an A, 80% for a B, 70% for a C, 60% for a D.