Fundamentals of Discrete Mathematics
Honors Section 200

The course

This course covers the elements of logic, set theory, number theory, mathematical induction, functions, relations, operations, and combinatorics; and other topics in discrete mathematics as time permits. Beyond this subject matter, the goal of the course is to learn how to *think* like a mathematician and how to *write proofs.*

Textbook The required textbook is *An Introduction to Abstract Mathematics* by Robert J. Bond and William J. Keane, Brooks/Cole, 1999, ISBN 0-534-95050-7. The course covers chapters 1–5 plus further topics as time permits.

Prerequisite The official prerequisite for this course is Math 172 (second semester calculus) or its equivalent.

Venue The course meets Monday, Wednesday, and Friday, 1:50-2:40 P.M. The originally scheduled room was ZACH 227A, but the actual location (after the first meeting) is BLOC 624.

Home page The home page for the course is `http://www.math.tamu.edu/ ~harold.boas/courses/220-2003c/`.

The instructor

The instructor is Dr. Harold P. Boas. The email address is `boas@tamu.edu` and the telephone number is (979) 845-7269. The instructor's office hours are held in 202 Milner Hall, Monday, Wednesday, and Friday, 11:00–12:00; also by appointment.

Grades

There will be examinations on the following three Fridays: September 26, October 24, and November 21. The final examination is scheduled by the registrar for Tuesday, December 16, from 3:30–5:30. Each of the four examinations counts for 20% of the course grade. The remaining 20% of the course grade will be based on homework/classwork.