

Syllabus for Math 3400, section 001

Lecturer: Dr. Andrew J. Hetzel

Lecture Time and Location: MWF 9:05 am – 10:00 am, Bruner 126
R 9:30 am – 10:25 am, Bruner 126

Office Hours: MTWRF noon – 2 pm
Appointments welcomed

Office Location: Bruner 109

Contact Information: *e-mail*: ahetzel@tntech.edu
phone: 372-3581

Comprehensive Final Exam Time: Monday, December 14, 8:00 am – 10:00 am

Textbook

We will be using *Proofs & Fundamentals: A First Course in Abstract Mathematics* by Bloch.

Prerequisites and Course Objectives

Prerequisite: "C" or better in MATH 1920.

Objectives: To learn to prove theorems, to write proofs up in good style, and generally to understand and appreciate the role of inductive reasoning, deductive reasoning, and proof in mathematics. After successfully finishing this course, students are expected to know the importance of the key definitions and techniques in the subject and to have developed the ability to use these definitions and techniques to correctly answer standard questions in the subject.

Please see <http://www.math.tntech.edu/PDF/3400.pdf> for a list of topics to be covered.

Calculator Requirement

You may find a calculator helpful for basic arithmetical operations that will be required of you on homework and tests. However, no calculator is required for success in this course.

Homework, Presentations, and Tests

Homework will generally be assigned each class session.

Students will be required each week to give a brief presentation to the class of a solution to a homework problem.

There will be 3 regular tests during the semester and a comprehensive final.

If a student does not get his or her questions answered during class, it is expected that the student will consult with me during my office hours before the corresponding presentation or test. Make-up exams will be given only for excused absences and will be handled on a case-by-case basis.

Students with a disability requiring accommodations should contact the Office of Disability Services (ODS). An Accommodation Request (AR) should be completed as soon as possible, preferably by the end of the first week of the course. The ODS is located in the Roaden University Center, Room 112; phone 372-6119.

Grading

The 3 regular tests will cumulatively be worth 45% of one's grade in the course, the comprehensive final will be worth 25%, the homework will cumulatively be worth 20%, and the presentations will cumulatively be worth 10%. The grading scale will be the standard decade system.

Attendance

It is my discretion on what constitutes an excused absence. All excused absences require documentation. However, please be aware of your privacy rights.

I reserve the right to create policies at any point that preserve the integrity of the educational process for each student in the class.