

Math 347 -- Fundamental Mathematics

Fall 2020 (on-line)

Classes

All classes will be live-streamed using Zoom, during the official schedule class time, MWF 11-11:50 for Section D1 and MWF 12-12:50 for Section X2. The second lecture will be recorded for those who cannot attend the live sessions. The Zoom ID and password will be provided to all students enrolled in the course.

Moodle

Most of the course information will be provided on the course [Moodle page](#). This includes homework assignments/solutions, exams dates and details, recorded lectures and additional lecture notes.

Textbook

[Donaldson and Pantano, An introduction to Abstract Mathematics](#). It is a really good idea to buy the paper version of the text, it's only \$10 at the bookstore!

- [Why Calculus Works](#), supplemental notes for the last part of the course kindly provided by David Lutzer. We will cover Sections 2, 3, 4, 6, 9, 10.

Course goals

The goal of the course is to become a better problem solver and to become competent in writing mathematical proofs.

Pre-requisites

Math 241 or equivalent. Concurrent registration in Math 241 is acceptable.

Office Hours: On Zoom, to be announced

Homework assignments

All assignment are due AT THE BEGINNING OF CLASS and will be turned in electronically. The graded assignments will also be returned electronically, and all of this is done on Moodle. **NO LATE HOMEWORKS WILL BE ACCEPTED FOR ANY REASON.** If you have a reasonable excuse for missing an assignment, I will score it by the average of the other assignments. **ONE CANNOT PASS THE CLASS UNLESS ONE EARNS AT LEAST 60% AVERAGE ON THE HOMEWORK SETS**

Exam information

Midterm Exam 1: To be announced

Midterm Exam 2: To be announced

Final Exam: To be announced

Course grade calculation

Course grades are determined by homeworks (10%), midterm exams (30% each) and the final exam (30%). All grades will be numerical (e.g. 0--100). For final course grades, 90% guarantees you an A-, 80% guarantees a B-, 65% guarantees a C-, 50% guarantees a D-. Intermediate grades will also be given, e.g. 87% guarantees a B+.