

Math 3326
Introduction to Abstract Mathematics

Fall 2018
Dr. Ryan C. Daileda

Course URL: <http://ramanujan.math.trinity.edu/rdaileda/abstract>

Office Hours and Contact Information: Consult the course web page.

Textbook: *How to Read and Do Proofs: An Introduction to Mathematical Thought Processes* (sixth edition) by Daniel Solow.

Course Content: The fundamentals of mathematical thought and proof techniques.

Learning Outcomes: This course fulfills the Written Communication core capacity requirement of the Pathways Curriculum. Students successfully completing this course will demonstrate their ability to: write a sustained academic work with appropriate use of evidence and developed reasoning to support an argument; improve their writing in response to feedback; craft prose that conforms to the conventions of the mathematical discipline.

Homework: Homework assignments will be posted to the course homework page following each lecture. All homework is to be completed prior to the beginning of the lecture when it is due. Late homework will not be accepted in the absence of divine intervention or matters of similar weight, and will be penalized as I see fit. All homework assignments will carry equal weight toward the homework component of your grade (see below).

Homework is to be written neatly, and multiple pages should be stapled together before you come to class. Do not use paper from a spiral notebook. Grading will be especially rigorous, with attention paid not only to mathematical content, but also specifically to effective written communication. This includes grammar, spelling, punctuation, etc. Failure to adhere to these guidelines will be penalized. Unorganized, sloppy or illegible work will not be graded!

Collaboration on homework assignments is permitted and encouraged, and you are free to consult any individual or source that you find helpful. However, simply copying the work of another is unacceptable. Attempting to pass off the work of others (regardless of the source) as your own will be considered a violation of the honor code.

Exams: There will be three midterm exams during the semester as well as a cumulative final exam. The dates and times for the exams are as follows:

First Midterm Exam	Wednesday, September 26, 7:00 - 9:00 PM
Second Midterm Exam	Monday, October 29, 7:00 - 9:00 PM
Third Midterm Exam	Wednesday, November 28, 7:00 - 9:00 PM
Final Exam	Thursday, December 13, 8:30 - 11:30 AM

If you have a legitimate conflict with any of these times, please notify me as soon as possible so that alternate arrangements can be made in a timely fashion.

Use of Previous Exams: Students are permitted to obtain copies of exams given in previous semesters. However, these exams should not be used to judge the content or difficulty of the exams that will be given in this course.

Grades: Your overall score in the course will be based upon your scores on the homework, midterm exams, and the final exam. The point values are as follows:

Homework	30%
Midterm Exams (3)	15% (each)
Final Exam	25%

Attendance: Attendance is highly encouraged but is not mandatory. Roll will not be taken, but excessive absences should be explained to me.

Academic Integrity: All students are covered by the Trinity University Honor Code which prohibits dishonesty in academic work. Under the Honor Code, a faculty member will (or a student may) report an alleged violation to the Academic Honor Council. It is the task of the Council to investigate, adjudicate, and assign a punishment within certain guidelines if a violation has been verified. Students are required to pledge all written work that is submitted for a grade: “On my honor, I have neither given nor received any unauthorized assistance on this work” and their signature. The pledge may be abbreviated “pledged” with a signature.

The specifics of the Honor Code, its underlying philosophy, and the norms for sanctioning can all be found on the Academic Honor Council website, accessed through the Trinity Homepage:

<https://inside.trinity.edu/academics/academic-honor-code>

Special Needs: If you have a documented disability and will need accommodations in this class, please speak with me privately early in the semester so I may be prepared to meet your needs. If you have not already registered with Student Accessibility Services, contact the office at 999-7411 or SAS@trinity.edu. You must be registered with SAS before I can provide accommodations.