

# 18.304 Undergraduate Seminar in Discrete Mathematics

Tuesdays & Thursday 11am – 12:30pm  
Building 2, Room 132

**Instructor:** Sami Assaf, 2-378, ext. 8-6721 [e-mail removed]

**Office Hours:** Wednesdays & Fridays 2pm – 3:30pm and *by appointment*

## Course Goals:

The purpose of this course is to give you experience reading, writing and presenting results in mathematics. There is no fixed set of topics to be covered, instead students may choose from a broad selection of topics within discrete mathematics.

## Requirements:

- Give at least **3 presentations** on some topic(s) in discrete mathematics, at least one of which must be based on a research paper published in a mathematics journal.
- Submit an **abstract** and before each of your presentations, and provide possible **quiz questions** after your presentation.
- Write **three quizzes** based on the content of the presentations.
- Write a **term paper** of approximately 10 pages on a topic in discrete mathematics.
- **Do not fall asleep** during someone else's (or your own!) presentation.

## Important Dates:

Thu	10/14	Deadline for first presentation.
Tue	10/19	Quiz 1
Tue	11/02	Term paper topic must be selected and approved.
Thu	11/04	Deadline for second presentation.
Tue	11/09	Quiz 2
Thu	11/18	First draft of term paper due.
Tue	11/30	Second draft of term paper due (if required).
Tue	12/07	Deadline for third presentation.
Thu	12/09	Quiz 3
Thu	12/09	Final draft of term paper due.

## Grading Policy:

Grades are based on the quality of your presentations (40%), quizzes (15%), term paper (30%), and participation (15%).