Math 413 -- Introduction to combinatorics

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 D13 and MWF 1-1:50 for Section E13. 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 and syllabus

Brualdi, "Introductory Combinatorics", 5th edition. We will cover much of Chapters 2,3,5,6,7 and 8, plus supplemental material (cycle structure of permutations, big-O notation, basic additive combinatorics, and other topics as time permits).

Pre-requisites

Math 347 or equivalent.

Office Hours: On Zoom, to be announced

Homework assignments

Weekly assignments will be given, details announced on Moodle. 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.

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 (20%), midterm exams (25% each) and the final exam (30%). All grades will be numerical (e.g. 0--100). For final course grades, 93% guarantees an A, 90% guarantees an A-, 87% guarantees a B+, 83% guarantees a B, 80% guarantees a B-, 75% guarantees a C+, 70% guarantees a C.