Description

This course covers the basic concepts of discrete mathematics used in computer science and other disciplines that involve formal reasoning. The topics include logic, proof, counting, discrete probability, relations, graphs, trees, and Boolean algebra.

Lectures

- COB2 130, Tuesday and Thursday 9:00am to 10:15am

Exams

- Midterm: Thursday, October 19, 2017, 9:00am - 10:15am, COB2 130
- Final: Wednesday, December 12, 2017, 3:00pm - 6:00pm, COB2 130

Office hours and contact information

- Instructor: Angelo Kyrilov
- Email: akyrilov@ucmerced.edu
- Office hours: Thursdays 11 am - 1 pm, COB 370

Textbook

- Textbook: *Discrete Mathematics and Its Applications* by Kenneth H. Rosen (Seventh Edition).

Topics

- Logic
- Proofs
- Sets
- Functions
- Counting
- Discrete probability
- Relations
- Graphs
- Boolean algebra

Prerequisites

- Basic knowledge of calculus covered in MATH 21 and MATH 22.

*Grading *subject to change*

- 20% Labs
- 20% Homework
- 30% Midterm
- 30% Final