This document is our syllabus as a result of the COVID-19 shutdown.

General Information

Instructor:[1] Chris Eppolito
Email: eppolito-at-math-dot-binghamton-dot-edu
Meeting: MWF 08:00 – 09:30 on Zoom
Website: `https://www2.math.binghamton.edu/p/people/grads/eppolito/math314-01-s20`
Office Hours: By appointment on Zoom
Textbook: *Discrete Mathematics and its Applications (8e)* by Rosen

Content

This course will introduce you to the basic mathematics necessary for computer scientists. We cover the basics of propositional logic, proofs, naive set theory, functions, relations, induction, recursion, counting, and graph theory.

I recommend students check my website daily for a list of topics.

The content for this course will be delivered as through the following (mostly) free resources.

1. Readings assigned from our textbook.

2. Posted videos from YouTube and Khan Academy to supplement your reading from the textbook.

3. Video lectures made by myself and the instructor of math314-02-s20 (section 2 of this course).

4. Written PDF notes on the video lectures.

Videos and textbook reading will be assigned on my website. Homework is be based on assigned videos and readings. Written homework should be submitted through MyCourses as a PDF scan of written pages (Android and iOS phones can use "Tiny Scanner"; those links take you to app. Other apps—e.g. "CamScanner"—are also fine.).

Grading

Here is a table detailing the distribution of your grade in the course.

Item	Worth
Homework, Quizzes, Participation	50%
Midterm 1	25%
Final	25%

Note that our second midterm is to be replaced by more frequent written homework, to be submitted electronically.

For your participation, you are expected to contribute to our electronic class notes in some way. This can be done either by making LaTeX (or plain-text) notes on a lecture or by writing a short report on some aspect of the course. Contributions will be posted on the course website after I make edits. *I must approve all projects in advance.*

Academic Accommodation

Students requesting disability-related accommodations should register with the Services for Students with Disabilities office (SSD). They are the appropriate entity on campus to determine and authorize disability-related accommodations. The office is located in the University Union, room 119. Phone number 607-777-2686. For students already registered with SSD, please provide your academic accommodation letter as soon as possible so that we can discuss the implementation of your accommodations.

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[1] All items herein are subject to change at the discretion of the instructor.