

# Math 1271 / 3071: Discrete Mathematics

Fall 2019

**Instructor:** Dr. Yin Chen, RB 2017, 343-8608,  
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**Course webpage:** <http://flash.lakeheadu.ca/~ychen/math1271.html>

**Lectures:** Tuesday and Thursday, 13:00-14:30, UC 1017

**Labs:** Friday 11:30 – 12:30, UC 1017

**Office Hours:**

Tuesday, 14:30 – 15:30
Friday, 14:00 – 15:00

**Text:** *A beginner's guide to discrete mathematics (2nd edition)*,  
W.D. Wallis, Springer.  
The e-book of this text can be downloaded in our Library  
Search: A beginner's guide to discrete mathematics

**Course Content:**

The course will cover the main topics on basic number theory, set theory, Boolean algebra, relations, counting, probability, graph theory, matrices, and cryptography.

**Assignments:**

There will be 9 assignments, 8 of which need to be submitted. The assignments are due on Fridays (15:00 am, September 20, 27, October 4, 25, November 8, 15, 22, 29). There will be a mailbox marked as MATH 1271/3071 on the second floor of Ryan Building for these assignments. The lowest assignment mark of the 8 will be dropped. Late assignments will not be accepted under any circumstances. Valid excuses, such as illnesses with a doctor's note, will instead result in the mark being dropped. The marked assignments can be picked up during Friday's lab hour. The problems and solutions to the assignments can be found on the course webpage.

**Exams:**

The midterm exam will be written in class

**13:00 - 14:30, Thursday, October 31, 2019, UC 1017**

In the event that the student is absent for the midterm due to a valid documented excuse, the midterm mark will be dropped and the final exam will account for 80% of the final grade. Both midterm exam and final exam are closed book without notes or calculators.

**Course Grade:**

Assignments: 20%  
Midterm exam: 25%  
Final Exam 55%