

Math 3375: Theory of Cryptology

Winter 2026

Instructor: Dr. Yin Chen, RB 2017,
(807)343-8010 ext. 8608,
Yin.Chen@lakeheadu.ca

D2L Course Link: <https://mycourselink.lakeheadu.ca/d2l/home/175274>

Lectures:

Monday and Wednesday	17:30 – 19:00	RB 1022
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Office Hours:

Monday and Wednesday	14:30 – 15:30	RB 2017
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Text: *Cryptological Mathematics*, by Robert Edward Lewand,
published by the Mathematical Association of America.

The price for this textbook on amazon.ca is \$88.50.

Course Content:

This course provides an introduction to cryptological mathematics and covers the main topics from all four chapters of the textbook.

Assignments:

There will be six assignments, each due by 23:00 on alternate Thursdays (January 15 and 29, February 12, March 5 and 19, and April 2). The problem sets for the six assignments will be posted on the D2L course page approximately one week prior to the due date. Students may submit either typed or handwritten solutions; handwritten work must be scanned and combined into one PDF or .doc/.docx file, organized in the order of the questions. Submissions must be uploaded to the designated D2L assignment folder. Late submissions will not be accepted.

Exams: The midterm exam and the final exam are closed-book. No books, notes, formula sheets, or calculators of any kind are allowed during the exams.

- Midterm Exam

17:30 – 19:00, Wednesday, February 25, RB 1022.

Course Grade:

Assignments	20%
Midterm Exam	30%
Final Exam	50%