

Welcome to
MATH 2275 - Linear algebra II
Winter term 2025

INSTRUCTOR: Dr. Monica Ilie

- **Contact info:** RB 2019 ★ ph: 766-7224 ★ *milie@lakeheadu.ca*
- **Office hours:** Mondays 3:00-4:00

COURSE OBJECTIVES

The main topics include eigenvalues and eigenvectors; diagonalization; inner product spaces; orthogonal bases; least squares problems; symmetric matrices; quadratic forms; singular value decomposition; and applications.

COURSE INFORMATION:

- **Class time:** Monday/Wednesday 1:00-2:15 (RB 2042)
- **Suggested Textbook:** *Linear algebra and its applications* by David C. Lay (4th or 5th edition)
- **Book price:** starting at 138.64\$ for 5th edition paperback
- **Website:**
<https://mycourselink.lakeheadu.ca>
- **Grading:** Your final grade will be given according to the grading scheme below:

Webwork Assignments	Midterm 1	Final Exam
10%	40%	50%
(Wednesday, February 12, 2025)		

SYLLABUS

The topics to be covered are, tentatively, the following: Chapter 5 - Chapter 7

ASSIGNMENTS

The online assignments will be available on the WebWork platform. Announcements about availability and due dates will be made on the course website.

IMPORTANT DATES:

- **March 7, 2025:** last date for course withdrawal without academic penalty
- **April 19, 2025:** contingency date (all exams that are missed by the closure of the university during the exam period, due to unforeseen circumstances, will be rescheduled this day)

ACCOMODATIONS

Lakehead University is committed to achieving full accessibility for persons with disabilities. Part of this commitment includes arranging academic accommodations for students with disabilities to ensure they have an equitable opportunity to participate in all of their academic activities. If you think you may need accommodations, you are strongly encouraged to contact Student Accessibility Services (SAS) and register as early as possible. For more information, please visit: <http://studentaccessibility.lakeheadu.ca>