

Math 2255 -- Linear Algebra I – Fall 2025

Instructor: Dr. Liping Liu, lipingli@lakeheadu.ca, RB 2001

Office hour: Monday 8:00pm -- 9:00pm via Zoom or by appointment

Lectures: Monday & Wednesday 4:00pm – 5:30pm, UC0050

Course Web: myCourseLink

Textbook: **Linear Algebra and Its Applications, 6th Edition**, by David C. Lay, Steven R. Lay and Judi J. McDonald -- eBook available at the university bookstore: **180 days access for \$67.99 plus tax** or **lifetime access for \$97.99 plus tax**:

[https://bookstore.lakeheadu.ca/CourseSearch/?course\[0\]=MAIN%2CFALL25%2CMATH%2CMATH2255FA&](https://bookstore.lakeheadu.ca/CourseSearch/?course[0]=MAIN%2CFALL25%2CMATH%2CMATH2255FA&)

Course Content: Matrices and systems of linear equations; linear transformations and matrices; elementary matrix algebra; determinants; vector spaces; change of bases; real eigenvalues and eigenvectors; applications. These are covered in Chapters 1 – 5.

Assignments: Weekly assignments will be posted on the course website and are due in one week. Each assignment should be submitted to the course website on the due date. In fairness to everyone, late assignments will not be accepted unless there is a valid documented reason.

Exams: A mid-term test will be scheduled in October 2025. No make-up mid-term test will be provided for students who miss writing the mid-term test at the scheduled time. If there is a legitimate (documented) excuse, the final mark will be calculated based on the final exam. Otherwise, a grade of 0% for the missed mid-term test will be averaged with other grades. A final examination will be scheduled at the end of the term.

Grading Scheme:	Participation	10%
	Assignments	15%
	Mid-term Test	30%
	Final Exam	45%

Important Dates:

- September 2: First day of class
- September 15: Final date to register (add)
- October 13: Thanksgiving - University closed
- October 13 - October 17: Fall study break
- November 7: Final date for withdrawal (drop)
- December 2: Final day of class
- December 5: First day of exams
- December 14: Final day of exams

If you are having difficulty, or have questions, please ask me for help!