



# Mathematics 2255 WAO

## Linear Algebra I

**Instructor:** John Kimball

**Lecture Schedule:** Mondays and Wednesdays 10:00am – 11:30am via Zoom

**Office Hours:** By Appointment via Zoom

**Email:** [jfkimbal@lakeheadu.ca](mailto:jfkimbal@lakeheadu.ca)

**Textbook:** Linear Algebra and Its Applications (5<sup>th</sup> Edition), David C. Lay, Steven R. Lay, Judi J. McDonald.

### Course Overview:

Chapter 1: Linear Equations in Linear Algebra

Chapter 2: Matrix Algebra

Chapter 3: Determinants

Chapter 4: Vector Spaces

Chapter 5: Eigenvalues and Eigenvectors

### Course Website:

- Yes, we will have a D2L site (MyCourseLink). Many things will be posted on the D2L such as Lecture Recordings, Lecture “Follow Along” notes, Marks, Supplementary materials etc.

### Performance Evaluation:

Assignments	MidTerm Exam	Final Exam	Total
20%	30%	50%	100%

### Lectures:

- Will be conducted via Zoom
- The lectures will be recorded for numerous reasons on posted on our D2L site.

**Assignments:** Working regularly on the assignments is essential for success in this course. Weekly assignments from our textbook will be assigned and are due on Fridays at 11:59pm. Please refer to the due dates are included at the end of the Course Outline. Assignments are to be dropped in the appropriate Assignment Drop Box in our D2L. In fairness to everyone, late assignments **will not be** accepted unless there is a valid documented reason.

**Course Withdrawal:** The final date that you may drop this course without academic penalty is Friday, March 8<sup>th</sup>, 2024.

**MidTerm Exam:** The date and time for the Midterm exam is **Wednesday, February 14<sup>th</sup>, 2024** via Zoom from 10:00am – 11:30am via WebWork. You must be present in the Zoom room to be eligible to write the Midterm. No make-up exam will be provided for students who miss the exam at the scheduled time [an arrangement can be made if there is a legitimate (documented) excuse]. Otherwise, a grade of 0% for the missed exam will be implemented.

**Final Exam:** There will be a final exam that covers the entire course. This exam will be help in-person and is closed book. Only basic scientific calculators will be permitted (no graphing calculators will be permitted). The date and time of this exam is to follow...

**Students with Disabilities or Chronic Conditions:** Reasonable accommodations are available for students with a documented disability or chronic condition. It is the student’s responsibility to seek these accommodations. If a student has a disability or chronic condition and may need accommodation to fully participate in this class, he/she should contact the Student Accessibility Services located at SC0003 or by phone: (807) 343 – 8047.

## Course Plan

Date	Details	Date	Details
Jan 8	Course Outline	26	Sec 2.3, Sec 2.4
10	Sec 1.1	28	Sec 2.5
15	Sec 1.1 (cont’d)	Mar 4	Sec 3.1, Sec 3.2
17	Sec 1.2	6	Sec 3.3
22	Sec 1.2 (cont’d), Sec 1.3	11	Sec 4.1, Sec 4.2
24	Sec 1.4	13	Sec 4.3
29	Sec 1.5	18	Sec 4.4
31	Sec 1.7, Sec 1.8	20	Sec 4.5, Sec 4.6
Feb 5	Sec 1.8 (cont’d), Sec 1.9	25	No Class
7	Sec 1.9 (cont’d), Sec 2.1	27	Sec 4.7, Sec 5.1
12	Sec 2.2	3	Sec 5.1 (cont’d), Sect 5.2
14	MidTerm Exam	9	Sec 5.3

## Assignment Due Dates

A	Due	A	Due	A	Due
1	Fri, Jan 19	5	Fri, Feb 16	9	Fri, Mar 22
2	Fri, Jan 26	6	Fri, Mar 1	10	Fri, Mar 29
3	Fri, Feb 2	7	Fri, Mar 8	11	Fri, Apr 5
4	Fri, Feb 9	8	Fri, Mar 15	12	Practice