



Mathematics 2255

Linear Algebra 1

Instructor: John Kimball

Lecture Schedule: Tuesdays and Thursdays 2:30pm – 4:00pm via Zoom

Office Hours: Tuesdays, 9:00am – 10:00am or by Appointment via Zoom

Email: jfkimbal@lakeheadu.ca

Textbook: Linear Algebra and Its Applications (6th Edition), David C. Lay, Steven R. Lay, Judi J. McDonald. – This book is to be purchased online:

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	Test #1	Test #2	Test #3	Total
25%	25%	25%	25%	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 will be completed using the Pearson Platform. Please refer to the “Pearson Platform – Kimball23678” form for info to access (form on D2L). The due dates are included at the end of the Course Outline (all are due at 11:59pm). 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, November 5th, 2021.

Tests: will be written online via the Pearson Platform. You must be present in the Zoom room with your video on. No make-up test will be provided for students who miss taking the test at the scheduled time [unless there is a legitimate (documented) excuse]. Otherwise, a grade of 0% for the missed test will be implemented. No final examination will be schedule at the end of the term.

Test #1: **Tuesday, October 5th, 2021;**

Test #2: **Thursday, November 4th, 2021.**

Test #3: TBD

Tutors: Information 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: 343-8047.

Course Plan

Date	Details	Date	Details
Sept 7	• Course Outline	Oct 26	• Sec 2.3, Sec 2.4
Sept 9	• Sec 1.1	Oct 28	• Sec 2.5 • Assign #6 – Due
Sept 14	• Sec 1.1 (cont'd)	Nov 2	• Sec 3.1, Sec 3.2
Sept 16	• Sec 1.2 • Assign #1 – Due	Nov 4	• Test #2 • Assign #7 – Due
Sept 21	• Sec 1.3	Nov 9	• Sec 3.3
Sept 23	• Sec 1.4 • Assign #2 – Due	Nov 11	• Sec 4.1, Sec 4.2 • Assign #8 – Due
Sept 28	• Sec 1.5	Nov 16	• Sec 4.3
Sept 30	• Sec 1.7, Sec 1.8 • Assign #3 – Due	Nov 18	• Sec 4.4 • Assign #9 – Due
Oct 5	• Test #1	Nov 23	• Sec 4.5, Sec 4.6
Oct 7	• Sec 1.8 (cont'd), Sec 1.9 • Assign #4 – Due	Nov 25	• Sec 4.7, Sec 5.1 • Assign #10 – Due
Oct 19	• Sec 1.9 (cont'd), Sec 2.1	Nov 30	• Sec 5.1 (cont'd), Sect 5.2
Oct 21	• Sec 2.2 • Assign #5 – Due	Dec 2	• Sec 5.3 • Assign #11 – Due
		Dec 5	• Assign #12 – Due
		TBA	• Test #3