

MATH 122 – Linear Algebra I

Section 002

Fall 2026

General information

Instructor: Martin Frankland

Email: Martin.Frankland@uregina.ca

Office: CW 307.17

Office hours: TBA

Office hours are held both in person and on Zoom (link is posted on UR Courses).

Lectures: MWF 5:30 - 6:20 PM in Classroom Building 126.

Tutorials: Tuesdays 5:30 - 6:20 PM in Classroom Building 112.

Textbook: W. Keith Nicholson, *Linear Algebra with Applications*. Open textbook available for free at:

[https://math.libretexts.org/Bookshelves/Linear_Algebra/Linear_Algebra_with_Applications_\(Nicholson\)](https://math.libretexts.org/Bookshelves/Linear_Algebra/Linear_Algebra_with_Applications_(Nicholson))

Prerequisite: Precalculus 30 or Math 102.

UR Courses: <https://urcourses.uregina.ca/>

This site will contain announcements and additional course material. The site is updated throughout the semester, so please check back regularly.

Course outline

Linear algebra is the study of linear equations and their solutions. It has many applications within mathematics and to the sciences. MATH 122 is an introduction to linear algebra, which covers the following topics.

- Systems of linear equations.
- Matrices and matrix algebra.

- Determinants and invertible matrices.
- Eigenvalues and diagonalization.
- Vector geometry: lines, planes, and projections.

Tutoring services

- Campion College Math/Stats Help Centre:
<https://campioncollege.ca/student-services/math-stats-tutoring/>
- Student Success Centre:
<https://www.uregina.ca/student-success-centre/tutoring.html>
- Global Learning Centre:
<https://www.uregina.ca/ur-international/student-services/global-learning-centre.html>

Grading scheme

The course grade will be the **maximum** of the following two scenarios:

- | | | |
|-------------------|----|-----------------------------|
| • Homework: 10% | | • Homework: 10% |
| • Midterm 1: 20% | or | • Best of two midterms: 20% |
| • Midterm 2: 20% | | • Final Exam: 70% |
| • Final Exam: 50% | | |

Course delivery

The course is taught **in person**. Lectures, tutorials, and exams all take place on campus. Office hours will be offered both in person and on Zoom.

Exams

- Midterm 1: **Tuesday September 29.**
- Midterm 2: **Tuesday November 3.**
- Final Exam: **Friday December 11, 7 - 10 PM.**

Details for each exam will be confirmed. Midterms will occur in the tutorial.

The Final Exam covers the entire semester.

All exams will be **closed book**. Only a single two-sided crib sheet will be allowed.

Calculators or electronic devices (cell phones, iPads, etc.) are **not allowed** on exams.

Homework

Homework will be assigned more or less weekly and submitted online on WeBWork.

Late homework will not be accepted.

The **lowest homework score** will be dropped.

Missed course work

General information about missed course work can be found in the *Undergraduate Calendar*, section “Academic Regulations / Deferral of Final Exams or Course Work”, available at:

<https://www.uregina.ca/registrar/academic-calendars-and-schedule/undergraduate-calendar.html>

Illness: If you are unable to meet a course requirement due to prolonged illness or other serious circumstances, please contact me as soon as possible. In that case, you should fill out the *Self-Declaration of Illness* and submit it to me. The form is available at:

<https://www.uregina.ca/registrar/assets/docs/pdf/forms/uofr-self-declaration-of-illness-form.pdf>

Homework: If you miss a homework assignment for any reason, it will count as the lowest assignment being dropped. There will be no make-up homework.

Midterm: If you miss a midterm for any reason (illness, etc.), the other midterm will be worth 20% and the Final Exam will be worth 70%. There will be no make-up midterm.

Final: You will need to submit the form *Deferral of Term Work and/or Final Exam*, available at:

<https://www.uregina.ca/registrar/assets/docs/pdf/forms/deferral-form.pdf>

For more information, please consult the *Undergraduate Calendar*, section “Academic Regulations / Deferral of Final Exam”, or contact the Science Academic Hub:

<https://www.uregina.ca/science/student/>

Academic integrity

Working on practice problems with your peers is allowed. However, each student must write exams and homework **on their own**. Handing in suspiciously similar solutions will be considered an instance of cheating.

Handing in any material copied from the internet, a program, or another source will likewise be considered cheating.

Scholastic offences are taken seriously and will not be tolerated. For more information, please consult the *Undergraduate Calendar*, section “Student Code of Conduct and Right to Appeal / Academic Misconduct”.

Accessibility

Any student with special needs who may need accommodation should contact Student Accessibility at:

<https://www.uregina.ca/accessibility/student/>

After I receive the letter from Student Accessibility, please contact me to discuss the accommodation.