

Brief Course Outline

Course Title: **Methods of Matrix Algebra**

Course Number and Section

MATH

1229A 550

Instructor Name(s): Marina Palaisti

Instructor Email(s): mpalaist@uwo.ca

Disclaimer: Information in the brief course outline is subject to change. The syllabus posted on OWL Brightspace is the official and authoritative source of information for the course.

Course Description:

The ability to extract useful information from data is one of the most important and marketable skills a student of business can acquire. The purpose of this course is to introduce quantitative tools to model and study multidimensional problems.

Topics include: Vectors in $\mathbb{R}^m$; Equations of lines and planes; Linear Equations; Solution of Linear Systems; Matrix Algebra; Matrix Multiplication and Inverses; Determinants.

Learning Outcomes: one outcome per entry

As a result of this course, students will be able to study problems of linear nature and apply their skills to find solutions to systems of linear equations.

Textbooks and Course Materials:

Instructor notes

Methods of Evaluation: one assignment per entry

Assignment	Due Date mm/dd/yy	Weight - %
Midterm		35
Final		40
Flex		5
Quizzes		20

Wednesday, August 12, 2026

Huron Brief Course Outline 2026/27

In-course Costs

\$000.00

For Textbooks and Course Materials (below), you are required to include the cost of each textbook or other learning material.

Note whether there are any restrictions that would prevent a student from using a second-hand copy. Here is some suggested text:

- Required textbook: [author, title, edition, publisher, date]. Cost: [insert amount].
 - Or include the weblink of the textbook's publisher site that includes the cost information.
- Students need to purchase this edition. Second-hand or older editions will not be sufficient.
- OR Students are welcome to purchase second-hand or earlier editions of this textbook.
- This course has an optional field trip that costs [insert amount].
- This course has a required field component that costs [insert amount].

In solidarity with the Anishinaabe, Haudenosaunee, Lūnaapéewak, and Chonnonton peoples on whose traditional treaty and unceded territories this course is shared.