

## Brief Course Outline

**Course Title:** **Methods of Matrix Algebra**

**Course Number and Section:**

MATH

1229A 554

**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 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:

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:

No book is required. Lecture class notes are sufficient.

### Methods Of Evaluation:

Assignment	Due Date mm/dd/yy	Weight - %
Midterm		35%
Online quizzes		20%
Flex weight		5%
Final exam		40%

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

Tuesday, August 12, 2025