

## Brief Course Outline

**Course Title:** **Methods of Finite Mathematics**

**Course Number and Section:**

MATH

1228B 551

**Instructor Name(s):** Federico Pasini

**Instructor Email(s):** fpasini@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:

Topics covered include sets, techniques of counting, probability, discrete and continuous random variables.

Students are expected to demonstrate an understanding of these concepts and an ability to apply them in solving a variety of problems.

### Learning Outcomes:

Obtain the technical skills to approach quantitative problems
Communicate effectively using the language of mathematics relevant to the course
Understand sets, their operations, and their cardinalities
Determine the number of possible choices for a given situation using the appropriate counting techniques (permutations, combinations, etc.)
Understand the basic concepts of probability theory, and use them to determine the probability of simple events
Use random variables and their distribution functions to compute the probabilities of more complex events

### Textbooks and Course Materials:

A custom textbook (Methods of Finite Math by V. Olds) will be posted online to the course OWL site.

This is the current text for the course, and all students are expected to use it. It is a work-in-progress, and any missing Chapters, sections and Exercises will be posted before they are needed.

### Methods Of Evaluation:

Assignment	Due Date mm/dd/yy	Weight - %
Assignment 1	02/16/2024	20
Assignment 2	03/22/2024	15

<b>Assignment</b>	<b>Due Date mm/dd/yy</b>	<b>Weight - %</b>
Online quizzes	throughout the term	20
Final exam	TBD	40
Best among assignments and final exam		5

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

Monday, December 11, 2023