Brief Course Outline

Course Title: **Methods of finite mathematics**

Course Number and Section:

MATH	1228A 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, basic probability theory, 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:

As a result of this course, students will be able to:

• 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 on the OWL course website. Students can access it at no cost. 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 Sections and Exercises will be posted before they are needed.

Methods Of Evaluation:

Assignment	Due Date mm/dd/yy	Weight - %
Online Quizzes (OWL) - 6 throughout the term, only the best 5 count towards the course grade		20%
Assignment 1 (OWL)	Feb 24	20%
Assignment 2 (OWL)	Mar 21	15%
Final Exam		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.

Friday, January 24, 2025