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.

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 on the OWL course website.

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)	10/21/2024	20

Assignment	Due Date mm/dd/yy	Weight - %
Assignment 2 (OWL)	11/22/2024	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.

Tuesday, August 20, 2024