Brief Course Outline

Course Title: **Methods of Calculus**

Course Number and Section:

MATH	1225B 553

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:

Logarithmic, exponential and trigonometric functions; integration, area; techniques of integration, improper integrals; functions of several variables, Second Partials Test, Lagrange Multipliers; differential equations, applications of differential equations.

Learning Outcomes:

Study the derivatives and integrals of functions of one variable

Study the derivatives of functions of multiple variables

Optimization for functions of multiple variables

Solve basic differential equations

Textbooks and Course Materials:

Custom Text for Maths 0110A/B, 1225A/B, 1230 A/B, 1st edition

Methods Of Evaluation:

Assignment	Due Date mm/dd/yy	Weight - %
Midterm 1	February 10	20
Midterm 2	March 15	20
Final	April TBD	40
Online quizzes	Ongoing	10
Flex weight		10

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

Thursday, November 23, 2023