

## Brief Course Outline

**Course Title:** **Methods of Calculus**

**Course Number and Section:**

MATH

1225B 552

**Instructor Name(s):** Mohsen Mollahajiaghahi

**Instructor Email(s):** mmollaha@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, applications of integration (area); techniques of integration, improper integrals; functions of several variables, Second Partial Test, Lagrange Multipliers; differential equations.

### Learning Outcomes:

Review of differential calculus with transcendental functions;
methods of integration
constrained and unconstrained multivariable optimization
Mathematical modelling with differential equations

### Textbooks and Course Materials:

Custom Text for Mathematics 0110A/B, 1225A/B and 1230A/B

OPTION 1: print text with homework solutions book (any edition, used or new)

OPTION 2: e-Book with homework solutions e-book (any edition)

### Methods Of Evaluation:

Assignment	Due Date mm/dd/yy	Weight - %
Online quizzes	Biweekly	10
Final exam		40
Best test 1, test 2 and final exam		10
Test 1		20
Test 2		20

traditional treaty and unceded territories this course is shared.

Monday, December 9, 2024