Course Title: Methods of Calculus

Course Number and Section: MATH 1225B 550

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:

<table>
<thead>
<tr>
<th>Assignment</th>
<th>Due Date mm/dd/yy</th>
<th>Weight - %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Midterm 1</td>
<td>February 10</td>
<td>20</td>
</tr>
<tr>
<td>Midterm 2</td>
<td>March 15</td>
<td>20</td>
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<tr>
<td>Final exam</td>
<td>April TBD</td>
<td>40</td>
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<td>Online quizzes</td>
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<tr>
<td>Flex weight</td>
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<td>10</td>
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In solidarity with the Anishinaabe, Haudenosaunee, Lu’naapéewak, and Chonnonton peoples on whose traditional treaty and unceded territories this course is shared.

Thursday, November 23, 2023