

SAMPLE COURSE OUTLINE

Creation date: March 13, 2020

Revision date:

Course Code, Number, and Title:

MATH 1153: Introduction to Calculus (Part I)

Course Format:

Lecture 4 h + Seminar 0 h + Lab 0 h

Credits: 3.0

Transfer Credit: For information, visit bctransferguide.ca

Course Description:

A course in the fundamentals of differential and integral calculus with their applications, but reviewing many of the basic algebraic and geometric concepts of precalculus mathematics. Topics include algebraic skills, limits, derivatives, curve sketching, optimization, related rates, approximation, antiderivatives and linear motion.

Prerequisite(s): A minimum "B" grade in Principles of Mathematics 12 or Precalculus 12 or permission of Department based on the MDT Process; or a minimum "C+" grade in MATH 1152; or a minimum "C-" grade in MATH 1170; or a minimum "C+" grade in Principles of Mathematics 12 or Precalculus 12 and a minimum "C-" grade in Calculus 12. Prerequisites are valid for only three years.

Learning Outcomes:

Upon successful completion of this course, students will be able to...

- Define and interpret limit, continuity, derivative and differentiability
- Use properties of limit, continuity, and derivatives appropriately
- Apply several techniques for computing limits and derivatives
- Solve problems involving a variety of applications of derivatives, such as extrema, linear approximation, graph sketching, related rates and optimization
- Find anti-derivatives of algebraic functions and solve simple initial value problems

Instructor(s): TBA

Office: TBA

Phone: (604) 323-XXXX

Email: TBA

Office Hours: TBA

Textbook and Course Materials:

For textbook information, visit https://mycampusstore.langara.bc.ca/buy_courselisting.asp?selTerm=3|8

"This generic outline is for planning purposes only".

Note: This course may use an electronic (online) instructional resource that is located outside of Canada for mandatory graded class work. You may be required to enter personal information, such as your name and email address, to log in to this resource. This means that your personal information could be stored on servers located outside of Canada and may be accessed by U.S. authorities, subject to federal laws. Where possible, you may log in with an email pseudonym as long as you provide the pseudonym to me so I can identify you when reviewing your class work.

Assessments and Weighting:

Final Exam 40%

Other Assessments 60%

(An example of other assessments might be:)

Quizzes 10%

Midterm I 25%

Midterm II 25%

Grading System:

Specific grading schemes will be detailed in each course section outline.

Information unavailable, please consult Department for details

Topics Covered:

Information unavailable, please consult Department for details

As a student at Langara, you are responsible for familiarizing yourself and complying with the following policies:

College Policies:

[E1003 - Student Code of Conduct](#)

[F1004 - Code of Academic Conduct](#)

[E2008 - Academic Standing - Academic Probation and Academic Suspension](#)

[E2006 - Appeal of Final Grade](#)

[F1002 - Concerns about Instruction](#)

[E2011 - Withdrawal from Courses](#)

Departmental/Course Policies:

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