

Math 1171 – Calculus I – Winter 2023

Instructor: Dr. Liping Liu, lipingli@lakeheadu.ca

Office hours: Tuesday: 7:30pm -- 8:30pm or by appointment, Zoom

Lectures: Monday, Wednesday. 2:30pm – 3:30pm, RB 1042

Lab: Tuesday 1:30pm – 2:30pm, AT 1003

Course Web: myCourseLink

Textbook: Calculus, 9th Edition, by James Stewart, Daniel K. Clegg, Saleem Watson
ISBN-10: 1337624187, ISBN-13: 9781337624183, © 2021

Reference books:

Calculus by Salas, Hille, Etgen

Calculus by Thomas, Weir, Hass

Calculus Volume 1, by Edwin Herman, Gilbert Strang, <https://openstax.org/details/books/calculus-volume-1>;

Apex Calculus, Version 3, by Gregory Hartman, <http://www.apexcalculus.com/downloads/>

Course Content: Basic properties of the real number system; limits and continuity of functions; derivatives and differentiation formulas; applications of derivatives; anti-derivatives, definite integrals, indefinite integrals; fundamental Theorem of Calculus; u-substitution.

WebWorK: A free online homework system that will be required to complete the assignments. The link to access WebWorK as well as login information will be provided on D2L.

Assignments: Weekly assignments will be posted on WebWork and are due in one week. In fairness to everyone, late assignments will not be accepted unless there is a valid documented reason.

Exams: Test 1 and Test 2 will be scheduled during the Lab hour in February and March. No make-up tests are provided for students who miss writing the tests at the scheduled time. If there is a legitimate (documented) excuse, the final mark will be calculated based on the final exam. Otherwise, a grade of 0% for the missed tests will be averaged with other grades. A final examination will be scheduled at the end of the term.

<u>Grading Scheme:</u>	Assignments	12%
	Test 1	24%
	Test 2	24%
	Final Exam	40%

Important Dates: January 9: First day of class
January 20: Final date to register (add)
February 20: Family Day
February 20 - 24: Winter study break
March 10: Final date for withdrawal (drop)
April 11: Final day of class
April 14: First day of exams
April 24: Final day of exams

If you are having difficulty, or have questions, please ask me for help!