

Math 1171 Calculus I Fall 2014
Course Outline

Instructor: Elcim Elgun

Office: RB 3008

Phone: (807)-346-7869 Office Hours: W Th 3.00 pm - 4.30 pm or by appointment

Email: eelgun@lakeheadu.ca

Lectures:

Math 1171 FA: MWF 12.30 pm - 1.30 pm in BB 1075

Math 1171 FB: MWF 11.30 am - 12.30 pm in BB 1075

Laboratory:

Math 1171 L-F1 Lab Th 4.30 pm - 5.30 pm in UC 2011

In the first half of the Lab hours we will solve more examples/problems on the course material. In the second half you will ask your questions about the course material and the homework problems to your instructor. No new material will be covered.

Required Textbook:

Calculus: one and several variables by Salas, Hille and Etgen, 10th edition. (We will cover Chapters 1-5.)

Grade Distribution:

Your final grade will be computed as follows:

Assignments: 15 %, Midterm Exam: 35 %, Final Exam: 50 %.

Syllabus:

- Basic properties of real number system (will be covered in Weeks 1 and 2 of the term, contains the material from Chapter 1 of the Textbook).
- Limits and continuity of functions (will be covered in Weeks 2 and 3 of the term, contains the material from Chapter 2 of the Textbook).
- Derivatives and differentiation formulas (will be covered in Weeks 4, 5 and 6 of the term, contains the material from Chapter 3 of the Textbook).
- Applications of derivatives (will be covered in Weeks 6, 7 and 8 of the term, contains the material from Chapter 4 of the Textbook).
- Anti-derivatives, definite integrals, indefinite integrals (will be covered in Weeks 9 and 10 of the term, contains the material from Sections 5.1, 5.2, 5.6, 5.8 of the Textbook).
- Fundamental Theorem of Calculus (will be covered in Week 11 of the term, contains the material from Sections 5.3 and 5.5 of the Textbook).
- u-substitutions (will be covered in Week 12 of the term, contains the material from Section 5.7 and 5.9 of the Textbook).

Assignments:

A set of homework problems will be assigned every week on the course website. The assignments are due Friday mornings 10 am. Assignments should be dropped in the Math 1171 Assignment Box on the second floor of Ryan Building before the due time. Late assignments will not be marked under any circumstances.

Midterm:

The midterm exam will be written in the week of October 20th, 2014 (Week 7 of Lectures). The time and place will be announced on the course website. The exam will be closed book with no calculators or other aids allowed. No make-up test is provided for any student who misses writing the midterm exam at the scheduled time. If there is a legitimate (documented) reason, the final grade will be calculated on the basis of the final exam. Otherwise, a grade of 0% for the missed exam will be given. The material the midterm exam will cover will be announced in class and on the course website.

Final Exam:

Date: To be announced. The final exam period is December 4-17, 2013. You will need a minimum of 7 graded assignments in order to take the final exam.

Academic Dishonesty : All cases of academic dishonesty will be dealt with according to the University's Code of Student Behavior and Disciplinary Procedures, copies of which are available from the Registrar.