

Mathematics 1151:  
Calculus I for Social and Life Sciences  
Fall 2015

**Instructor:** Rachael Sundell

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**Lectures:** Monday, Wednesday & Friday, 2:30pm-3:30pm, UC0050

**Lab:** Friday, 3:30pm-4:30pm, SN1015

**Office Hour:** Mondays at 1:30pm-2:30pm or by appointment, RB2006

**Textbook:** *Calculus for Biology and Medicine*, 3<sup>rd</sup> Edition, by Claudia Neuhauser

**Course Content:** The goal of this course is to familiarize you with the basic concepts of differential calculus. We will cover the following topics: Limits, Continuity, the Derivative, and Applications of the Derivative.

**Lab:** The lab will reinforce concepts through explanations and examples, as well as provide students with the opportunity to ask questions about the content given in class or assignment problems. Though the lab is not mandatory, it is beneficial to attend.

**Course Website:** The course website can be found through Desire 2 Learn (mycourselink on myinfo). Here you will be able to find assignments and their solutions as well as lecture notes and reviews for exams.

**Grading Scheme:**

Assignments	10%
Midterm 1	25%
Midterm 2	25%
Final Examination	40%

NOTE: If one of the midterm marks is lower than the final examination, the weight of that midterm will be moved to the final examination, giving the following grading scheme:

Assignments	10%
Midterm	25%
Final Examination	65%

**Assignments:** There will be a total of 6 assignments given approximately every two weeks. The lowest assignment grade will be dropped.

- All assignments should include a cover page with the following information: course number, assignment number, student name and ID.
- Assignments should be dropped off in the assignment boxes on the second floor of the Ryan building before 24:00 midnight of the due date. Solutions will be available on the course webpage the day after the assignment is due.

Please note that **late assignments will not be accepted**. Students are encouraged to work together to understand the concepts in each assignment, but individual assignments must be submitted and copying is not allowed.

**Midterm and Final Exam:** There will be two midterm examinations: Friday, October 9<sup>th</sup> and Monday, November 9<sup>th</sup>. The date of the final examination will be provided when it is scheduled.

- Midterms and the final examination will be closed book, but students are allowed to bring a one-sided sheet of  $8\frac{1}{2}$ x11 paper of personal study notes.
- Calculators are not allowed in midterm and final examinations.
- If a midterm is missed, there will be no makeup test. If a valid excuse is given (e.g., doctors note), then the weight of the midterm will be moved to the final examination.

**Important Dates:** Please note the following important dates:

September 14<sup>th</sup> : First day of classes  
September 25<sup>th</sup> : Final date to register  
October 9<sup>th</sup> : First Midterm  
October 12<sup>th</sup> : Thanksgiving Day - University Closed  
November 6<sup>th</sup> : Final date for withdrawal  
November 9<sup>th</sup> : Second Midterm  
December 7<sup>th</sup> : Final day of class  
December 9<sup>th</sup> : First day of exams  
December 19<sup>th</sup> : Final day of exams  
December 20<sup>th</sup> : Contingency Date

**Tutoring:** At the Student Success Centre (SC 0008), every student has 5 free hours of tutoring every academic year. The Lakehead University Mathematics Assistance Centre (LUMAC) provides free tutoring in LI 1005 throughout the academic year (for hours visit <http://math.lakeheadu.ca/lumac/>).