COURSE INFORMATION
MATH 1151 – Calculus I Social and Life Sciences
Fall 2012

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 Deriviative.

Time and Place:	MWF 9:30 - 10:30, RB 1042
	Th 11:30 - 12:30, UC 0050
Instructor:	Jennifer Biermann
	Office: RB 2018
	Office Hours: 1:30 - 2:30 W, Th
Textbook:	*Calculus for Biology and Medicine (3rd Edition)* by Claudia Neuhauser
Email:	jvbierma@lakeheadu.ca
Web Page:	jenniferbiermann.lakeheadu.ca/math1151.html

Contact Information. The best way to contact me is via email.

Outline. A rough outline of the sections of the book covered each week along with due dates for homework assignments is given below. The problems for each homework assignment will be posted on the course website.

Dates	Sections covered	Homework Due Date
Sept. 10 - Sept. 19	1.2, 1.3.1, 3.1	Sept. 21
Sept. 21 - Sept. 26	3.2, 3.3	Sept. 28
Sept. 28 - Oct. 1	3.4, 3.5	**Oct. 3**
Oct. 5 - Oct. 10	4.1	Oct. 12
Oct. 12 - Oct. 17	4.1, 4.2, 4.3	Oct. 19
Oct. 19 - Oct. 24	4.3, 4.4	Oct. 26
Oct. 26 - Oct. 31	4.5, 4.6	Nov. 2
Nov. 2 - Nov. 5	4.6, 4.7	**Nov. 7**
Nov. 9 - Nov. 14	4.8, 5.1	Nov. 16
Nov. 16 - Nov. 21	5.2, 5.3	Nov. 23
Nov. 23 - Nov. 30	5.4, 5.4	Nov. 30

Note that most homework assignments are due on Fridays with two exceptions: Oct. 3 and Nov. 7.

Labs. There is a lab associated with this class. Lab time will be used in two ways - to go over more examples and as problem sessions. In the problem sessions we will strive to deepen your knowledge of the subject by working on more difficult problems, integrating more than one concept, or working on more open ended problems to facilitate discussion of calculus concepts.

Reading. It is important that you read your textbook. You are responsible for the material covered in the sections outlined above.

Evaluation. The evaluation for this course is composed of three components:

1. Homework (10%) You will have one homework assignment per week (except for the first week of the semester). See above for the due dates of the homework assignments. Homework assignments will be posted on the website for the class. Homework problems will be graded out of 3 points as follows:

3pts Near perfect or perfect solution. A near perfect solution is a solution which is correct up to the final

stage with a possible insignificant mistake or sign error at the end. Write up of the solution must be clear and readable showing all steps to get to the answer and including any necessary explanation of methods used, what variables stand for, how you set up the problem, etc.

2 pts Progress was made toward the solution, but there was a significant error OR the solution is correct, but the write up is insufficiently clear, lacks explanation, etc.

1 pt Some progress was made toward the solution, but there were several significant errors or the problem was unfinished OR the solution is very difficult to read, lacks important explanation, skips many steps etc.

0 pts Little or no progress is made toward the solution OR the solution is unreadable or no work is shown.

Notes on Homework:

- Homework is due at the **beginning of class** on the day specified. Late homework will not be accepted. If you know you are going to miss class you may turn your homework in early, or arrange for a friend to bring it to class for you.

- Always include your name, the course number, and the assignment number on each assignment. This will ensure that if your homework gets separated from the rest that it will find it's way back to the right place.

- Homework must always be stapled together. Failure to do this will result in a **10 point deduction** from the assignment.

- At the end of the semester, I will drop your lowest homework score.

- The copying of assignments will result in a mark of 0 for both assignments.

2. Midterm Exams (two midterms at 25% each) There will be two midterm exams given during the semester. The first midterm will be Oct 4 **during lab time** and the second will be Nov 9 during class. The first midterm will roughly cover Chap 1 and Chap 3 and the second midterm will roughly cover Chap 4. More detailed information about the exams will be provided before each exam.

3. Final Exam (40 %) There will be a cumulative final exam sometime in December. I will let you know the exact date of the final exam as soon as it is scheduled.

Class Policies Although attendance is not mandatory, I would appreciate the fact that you show up on time if you do decide to come to class. It is your responsibility to make up missing material. Also, please turn off your phone while in class.

Exams and tests must be taken on the date assigned.

Important Dates

Sept. 10, 2012 - First day of class

Oct. 4, 2012 - First Midterm Exam

Oct. 5, 2012 - No class

Oct. 8, 2012 - Thanksgiving (no classes)

Nov. 2, 2012 - Last day to withdraw without penalty

Nov. 9, 2012- Second Midterm Exam

Dec. 3, 2012- Last day of class

Dec. 6 - 17, 2012 - Final Exams