

MATH 191 Section F0502

Calculus with Economic and Business Applications I

Sep – Dec 2005

Time & Location: Mon & Wed 2:30-4:00, Bldg 360 Rm 323
Fri 1:30-2:30, Bldg 360 Rm 323

Instructor: Glen Pugh

Office: Bldg 360 Rm 325

Phone: TBA [for now use 250-740-6361 (secretary, Science & Technology)]

email: pughg@mala.bc.ca (This is by far the best way to reach me!)

web: <http://web.mala.bc.ca/pughg/math191F0501>

Office Hours: Mon 4:00-5:00
Wed 10:00-12:00
Fri 2:30-4:00
or by appointment

Prerequisite: Min. "C+" in Principles of Math 12 or MATH 151.

Text: Introductory Mathematical Analysis for Business, Economics, and the Life and Social Sciences, Eleventh Edition by Haeussler, Paul and Wood

Course Outline: This course is an introduction to the theory and techniques of differential calculus with applications drawn from business and economics. Topics with corresponding sections from the text:

1. Functions and Models: 0.7,0.8, 1.1, 2.1-2.7, 4.1-4.4
2. Mathematics of Finance: 5.1-5.4
3. Limits and Continuity: 10.1-10.4
4. Differentiation: 11.1-11.6
5. Applications of Differentiation and Additional Topics: 12.1-12.7, 13.1-13.6

Homework: Homework will be assigned weekly, mostly from the textbook. Doing practice problems is essential for learning mathematics and it is crucial that you complete and understand all assigned homework. In addition to the assigned problems, you should also attempt additional problems from the text to reinforce your understanding.

It is important that you are able to solve problems on our own, however you are also encouraged to work together on the problem sets. Explaining your solutions to others and discussing problem strategies contributes enormously to your understanding. You may of course also see me for help with homework problems.

Homework will not be collected for grading. Answers to odd-numbered problems are in the back of the text, and more detailed solutions to odd-numbered problems are in the solution manual which can be purchased in addition to your text.

Weekly Quizzes: Short in-class quizzes will be given the following **Fridays: September 16, 23; October 7, 14, 21; November 4, 18, and December 2**. The quizzes will have two to four questions and should only take 15 to 20 minutes. The purpose of the quizzes is to encourage you to keep up on your homework, and the questions will be virtually identical to homework questions assigned. Quizzes are worth 15% of your final grade. Your lowest quiz score will be dropped in the calculation of your average, so you may miss one quiz without penalty. No make-up quizzes will be given.

Tests: There will be three class tests each worth 15% of your grade. The tests will be one hour in length and will be given in class on **Friday September 30, Friday October 28 and Friday November 25**. There will be no make-up tests, but if you miss a class test for a good reason (e.g. illness, with a doctor's note) allowances will be made.

Final Exam: There will be a final exam in December worth 40% of your grade. The exam period is Dec 8-19 2005.

Grading Summary:

Weekly Quizzes:	15%
Class Tests:	45%
Final Exam	40%

Grading Scale:

95-100%	A+	65-69%	C+
90-94%	A	60-64%	C
85-89%	A-	55-59%	C-
80-84%	B+	50-54%	D
75-79%	B	0-49%	F
70-74%	B-		

Web Page: <http://web.mala.bc.ca/pughg/math191F0501>

This page contains announcements, homework assignments and quiz/test solutions.

Extra Help: In addition to help during office hours, you can also get extra help from the tutors in the Math Learning Centre located in Bldg 360 Rm 303.

Miscellaneous Policies:

Calculators:	A basic scientific <u>non-programmable</u> , <u>non-graphing</u> calculator may be used for homework, quizzes, class tests and the final exam.
Cell Phones:	Turn off and put away before class. Cell phones may NOT be used as clocks or calculators during tests.
Formula Sheets:	The use of formula sheets will not be allowed for quizzes, tests or the final exam. I will expect you to know some basic formulas, as well as the differentiation rules as we learn them. If any difficult to remember formulas are required on tests I will supply them.
Grade Review:	If you do not agree with the grade received on a test or quiz, you may submit your paper for regrading within three days of the date it was returned to you. In this case, the entire paper will be regraded.