

MATH 192 Section S07N01

Calculus with Economic and Business Applications II

Jan – Apr 2007



Time & Location: Mon & Wed 2:30-4:00 in Bldg 360 Rm 324
Fri 10:30-11:30 in Bldg 360 Rm 324

Instructor: Glen Pugh
pughg@mala.bc.ca (This is by far the best way to reach me!)
Bldg 360 Rm 325
(250)753-3245 ext. 2752

Office Hours: Mon 10:30-11:30
Thu & Fri 11:30-2:00 or by appointment

webpage: <http://web.mala.bc.ca/pughg/Spring2007/math192S07N01>
This page will be updated weekly with announcements, handouts, homework assignments and test solutions. Please consult it regularly, especially if you miss a class.

Prerequisite: Min. "C" in MATH 191.

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

Your textbook is a valuable learning resource, not merely a source of homework problems: read the pertinent sections as we progress through the material. A copy of the text is on reserve at the library.

Course Outline: This course first extends the theory of differential calculus to functions of several variables, and then gives an introduction to the theory and techniques of integral calculus with applications drawn from business and economics. The course concludes with matrix algebra, an important tool in many branches of applied mathematics. Topics with corresponding sections from the text are:

1. Multivariable Calculus: 17.1-17.8
2. Integration: 14.1-14.12
3. Methods and Applications of Integration: 15.1-15.7
4. Matrix Algebra: 6.1-6.6

Homework: Homework will be assigned weekly. Most homework problems will be from the textbook, though I may occasionally draw on problems from other sources.

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 your own; however, you are also encouraged to work together on the problem sets. Explaining your solutions to others and discussing problem solving 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, though you will be tested on the homework material. Answers to odd-numbered problems are in the back of the text.

Quizzes: Short in-class quizzes will be given the following **Fridays: Jan 19 & 26; Feb 9 & 16; Mar 16 & 23**. Each quiz will have two to four questions and should take about 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.

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Tests: There will be three one-hour class tests given on **Friday Feb 2, Friday Mar 9** and **Wednesday Apr 4**. Class tests are comprehensive, covering all material since the beginning of the course. Each test is worth 15% of your final grade.

Final Exam: There will be a comprehensive final exam in December worth 40% of your grade. The exam period is Apr 18-27 2007.

Grading Summary:

Quizzes (6):	15%
Class Tests (3):	45%
Final Exam:	40%

Grading Scale:

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

Extra Help: In addition to help during office hours, you can get extra help from the tutors in the Math Learning Centre located in Bldg 360 Rm 303. A schedule is posted on the door of this room.

Missed Tests: There will be no make-up tests, but if you miss a class test for a good reason allowances may be made. Documentation must be provided to explain your absence: doctor's note in the case of illness, death certificate in the case of death in the family, police report in the case of car accident, etc. No exceptions.

If you are ill on test day and you elect to write the test anyway, your grade will stand.

Attendance: Attendance will not be taken, however you are encouraged to attend all lectures. If you miss class, read the textbook sections covered and borrow notes from a classmate. I do not lend my class notes.

Classroom Environment: I like the classroom environment to be relaxed yet respectful. I encourage you to ask questions and discuss the topics at hand. However, please don't sit and chat if you don't feel like being in class on a particular day. Please arrive on time, and if you must leave class early for an appointment, please advise me ahead of time so that disruption is minimized.

Academic Misconduct: Incidents of cheating or other academic misconduct carry severe consequences and will be dealt with seriously. Refer to Malaspina University-College Policy 99.01 and Procedure 99.01.001.

Calculators: A basic scientific non-programmable, non-graphing calculator may be used for class tests and the final exam. (The Canon F502, available at Staples for about \$9, is plenty).

Translators: Electronic translators may NOT be used for quizzes, tests or the final exam.

Cell Phones: Turn off and put away before class. Cell phones may NOT be used as clocks or calculators during tests. If your phone rings during a test or quiz, 5% will be deducted from your grade.

Formula Sheets: Formula sheets may NOT be used for quizzes, tests or the final exam.

Grade Review: If you do not agree with the grade received on a test, you may submit your paper for regrading within three days of the date it was returned to you. In such cases, the entire paper will be regraded.