MATH 200 Section F13N01
Calculus of Several Variables
Sep – Dec 2013

VANCOUVER ISLAND
U N I V E R S I T Y

Time & Location:	Tue & Thu 10:00-11:30 in Bldg 360 Rm 323; Fri 11:30-12:30 in Bldg 360 Rm 324
Instructor:	Glen Pugh glen.pugh@viu.ca (This is <u>by far</u> the best way to reach me!) Bldg 359 Rm 201 (250)753-3245 ext. 2752
Office Hours:	Mon 10:00-11:00, Tue 1:00-2:00, Thu 9:00-10:00, Fri 10:00-11:00, or by appointment
webpage:	http://web.viu.ca/pughg/Fall2013/math200F13N01 This page will be updated weekly with announcements, handouts, homework assignments and test solutions.
Prerequisite:	Min. "C" in MATH 101 or min. "C+" in each of MATH 122 and MATH 110.
Text:	*Essential Calculus: Early Transcendentals, 2nd Edition* by James Stewart

Course Outline: This course extends the fundamental constructs of calculus, the derivative and the integral, to functions of more than one variable. Topics covered and corresponding sections from the text are

- ◆ Vectors: 10.1-10.9
- ◆ Partial Derivatives: 11.1-11.8
- ◆ Multiple Integrals:12.1-12.8
- ◆ Vector Calculus: 13.1-13.4

Homework: Weekly homework assignments from the textbook will be posted on the course website.

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.

Tests: There will be four 75 minute class tests given on the following **Thursdays: Sep 19, Oct 10, Oct 31 and Nov 21.** Each test is worth 15% of your final grade.

No make-up tests will be given, but if you miss a class test for a good reason allowances may be made. Documentation <u>must</u> 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. <u>No exceptions</u>.

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

Final Exam: There will be a comprehensive final exam in December worth 40% of your grade. The exam period is Dec 5-16 2013. Travel plans should not be made until the final exam schedule is released, which is at least one month before exams begin. **In no event will the final exam be rescheduled to accommodate travel plans.**

Grading Summary:	Class Tests (4):	60%
	Final Exam:	40%

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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.

There is no possibility of end-of-term extra credit assignments or supplemental exams to improve final grades.

Grading Scale:

A+ : 90-100%	B+ : 76-79%	C+ : 64-67%	D : 50-54%
A : 85-89%	B : 72-75%	C : 60-63%	F : 0-49%
A- : 80-84%	B- : 68-71%	C- : 55-59%	

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.

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.

Student email: Ensure that you have an active email address listed in your student record and that you check it regularly. I occasionally email the class with reminders or notices.

Classroom Environment: I like the classroom environment to be relaxed yet respectful. I encourage you to ask questions, discuss the topics at hand, and quietly listen while your colleagues ask questions or offer comments. Please don't sit and chat if you don't feel like being in class on a particular day. Arrive on time, and if you must leave class early for an appointment, please advise me ahead of time so that disruption is minimized. During class, texting, listening to music , surfing the web, etc is rude: please don't do it.

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

Calculators: A basic scientific (non-financial, non-calculus, non-programmable, non-graphing) calculator may be used for quizzes, tests and the final exam.

Cell Phones & Music Players: Turn off and put away before class. Cell phones may NOT be used as clocks or calculators during tests.

Formula Sheets: A single double-sided letter-size "cheat sheet" containing formulae, theory and numerical values may be used for tests. The cheat sheet may not contain worked examples and must be submitted when you hand in your test.