

**Simon Fraser University**  
**MATH 158 E200 Calculus II for the Social Sciences**  
**Course Outline**  
**Spring 2011 (1111)**

**Instructor:** Dr. Michael Monagan

Office: K 10501

Office hours: TBA in K10501.

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**Lectures:** M 17:30 – 18:20, W 17:30 – 19:20 in AQ3182

**Course Webpage:** <http://webct.sfu.ca>

**Workshop Coordinator:** Petra Menz

Office: K 10513

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**Prerequisite:** MATH 150 or 151 or 154 or 157. Students with credit for MATH 152 or 155 may not take MATH 158 for further credit.

**Textbook:** *Applied Calculus for the Managerial, Life, and Social Sciences*, First Canadian Edition Second Print by Tan, Menz, Ashlock, published by Nelson, ISBN 0176609954.

**Calendar Course Description:** Theory of integration and its applications; introduction to multivariate calculus with emphasis on partial derivatives and their application; introduction to differential equations with emphasis on first order equations and their application to economics and the social sciences; continuous probability models; sequences and series.

**Applied Calculus Workshop (ACW):** Students registered in Math 158 are encouraged to come to the Applied Calculus Workshop (K 9503) for help with assignment problems and other questions any time during posted working hours. At the workshop students will have the opportunity to meet with the instructor, teaching assistants and other students, and work together to understand mathematics in a friendly and helpful environment. There are tables where you may sit down and work on your assignments. Please make use of this valuable resource.

**WebCT:** In the WebCT Math 158 container you will find basic information about your course, the instructor, and the Applied Calculus Workshop. All assignments (including a link to the ONLINE assignments) and exam solutions will be posted on WebCT. Under MY GRADES, during the semester, you will be able to check your assignments and midterms marks. The DISCUSSION and CHAT ROOMS will be open at all times. There you can exchange your questions and ideas about the course topics amongst each other.

**Academic Integrity:** Simon Fraser University values academic integrity. Therefore all students must understand the meaning and consequences of cheating, plagiarism and other academic offenses under Academic Honesty and Student Conduct Policies (see <http://www.sfu.ca/policies/Students/index.html>).

**Paper Assignments:**

1. There will be 6 biweekly assignments. In order to account for unexpected illnesses etc., everyone is excused from one assignment: the assignment part of your final grade will be based on the best 5 out of 6 assignments.
2. Assignments are to be submitted to the **drop boxes OUTSIDE** the Applied Calculus Workshop by **LAST NAME**. See the assignment for the due date and time. You must staple a cover sheet to your assignment. The coversheet is posted on WebCT.
3. Late assignments, unstapled assignments, assignments without cover pages, assignments left in the incorrect box will not be accepted and will receive a mark of zero.
4. Assignments can be picked up from **pick-up slots INSIDE** the workshop about 1-2 weeks after submitting the assignment. Check your grade on WebCT before you pick up your assignment and make sure that it is recorded correctly.
5. Paper assignments are worth 12 marks each, 4 marks for completeness and 8 marks for 3 – 6 selected questions. **Questions on the grading of assignments:** All questions pertaining to the grading and recording of assignments should be addressed in person to the workshop coordinator Petra Menz.

**Calculators:** Only scientific calculators with no graphing, programming, differentiation and integration capabilities are allowed in all examinations. Any student found in possession with a calculator that does not adhere to the above specifications during a test or exam will **immediately receive a mark of 0**.

**Grading:** Your course final percentage is calculated as follows:

Assignments	20%
Midterm 1	15%
Midterm 2	15%
Final Exam	50%

Note that the best 5 assignment marks will be counted and all tests will count in the overall course grade, and **there will be no option for an alternative weighting of marks** (such as 100% for the final exam).

**Midterm Examination:** Midterm tests are written in the lecture hall and are 50 minutes in duration. See Important Dates below for the midterm dates.

**Questions on Midterm Examinations:** Make-up and Retakes are **NOT** given for midterms. If you have missed a midterm you must provide your instructor (**not** the workshop coordinator) with a valid reason and documentation otherwise you receive a mark of zero.

**Remarking requests for Midterm Examinations:** Midterm exams are for you to keep. Be sure to pick them up from the workshop in a timely manner as we do not have storage facilities. Upon pick-up of your midterm exam, you must read through the exam and ensure that all marks have been added up correctly. If there is a mistake, please notify the TA present immediately. If you want to request remarking of your midterm exam, you must do so before you leave the workshop by filling out the required form available from the TA present. Once you leave the workshop with your midterm exam you forfeit all rights for remarking your exam. **Note 1:** You should come prepared by having read through the solu-

tions posted on WebCT. **Note 2:** Requesting remarking entitles the examiner to remark your ENTIRE exam, which may result in your grade being lowered or raised, or staying the same. It is our experience that most remarking requests result in the same grade or a lower grade.

**Final Examination Period:** Students are strongly advised NOT to make plans for travel or employment during the exam period since special arrangements will NOT be made for examinations that may conflict with such plans. The final exam is 3 hours in duration.

If you have an exam at one location (e.g., Burnaby campus) followed immediately by an exam at another location (e.g., Vancouver or Surrey campus), please report this to the Departmental Assistants by the end of the second week of classes. Advance arrangements will be made for you to write both exams at a single location.

**Religious Accommodation:** Students requesting religious accommodation must tell the instructor by the end of the first week of term.

**Important Dates:**

Midterm 1: Monday February 7 in lecture hall

Drop Date w/ penalty: Wednesday, February 9 (Last day for undergraduates to drop classes **with** WD appearing on their records.)

Midterm 2: Monday, March 21 in lecture hall

Final Exam: Thursday April 14, 19:00 – 22:00 (Room TBA)

**Notes from your Instructor:**

- I encourage you to make appropriate use of all sources of available information, including: the textbook, materials posted on the Web, my office hours, other students, and the Applied Calculus Workshop.
- I will be writing lecture notes on the overhead projectors. You should take notes. If you miss a lecture and cannot get a copy of the notes, you can always refer to the section of the textbook that I am covering that day.
- If you faithfully complete the assignments, you should have no difficulty passing the course. Exam questions will be like the questions on the assignments.
- The main place to go for help on assignments problems or the course material is the Applied Calculus Workshop. I will hold my Monday office hour in the workshop.
- Please do not Email me for help on your assignments. Use my Email for administrative matters like letting me know that you are sick and will miss a midterm.