

Simon Fraser University
MATH 158 Calculus II for the Social Sciences
Spring 2007

Lecture: M 17:30-18:20 and W 17:30-19:20
K9500

Professor: Vahid Dabbaghian-Abdoly

Email: vdabbagh@sfu.ca

Office Hours: T 14:30-16:30 (at the Applied Calculus Workshop K9503)

Workshop Coordinator: Justin Gray

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Office: SSC K10531

Text: Lial, Greenwell, and Ritchey, *Calculus with Applications*, 8th edition, Pearson, 2005

Course: Theory of integration and its applications; introduction to multivariable calculus with emphasis on partial derivatives and their applications; introduction to differential equations with emphasis on some special first-order equations and their applications to economics and social sciences; continuous probability models; sequences and series. 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. Quantitative.

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

Applied Calculus Workshop: Students registered in MATH 158 are encouraged to visit the Applied Calculus Workshop (SSC K9503) for assistance with problems and questions. The workshop will open on 12 September. At the workshop, students will have the opportunity to meet with the instructor, teaching assistants, and other students. It is a place to work together to understand mathematics in a friendly and helpful environment. Please utilize this valuable resource.

WebCT: In the WebCT course container for MATH 158, located at <webct.sfu.ca>, you will find basic information about the course. Announcements as well as homework assignments will be posted there. Homework and exam solutions will also be available after the due date. Under My Grades, you can check your marks throughout the semester.

Homework: There will be a total of 9 assignments for this course. Weekly assignments are to be submitted in the drop boxes outside the Applied Calculus Workshop **by Monday at 5:30 p.m.** Remember to include a cover sheet with your assignment, and for the assignments without a standard cover page one mark will be deducted. Assignments will be worth 10 points each: 2 points for completeness, and 4 points each for 2 randomly selected questions. Late homework **will not** be accepted, but everyone's lowest homework score will be dropped in order to account for unexpected absences. Early homework is accepted if clearly labeled 'EARLY' with the due date (e.g. EARLY, Due 20 Oct.).

Exams: There will be two exams during the term, and a comprehensive final exam. **The midterm and final exams will be in the Images Theater.** The dates and sections to be covered are given below:

Exam 1: Monday, February 5th, 17:30-18:20 (K9500)

Exam 2: Monday, March 5th, 17:30-18:20 (K9500)

Final Exam: Wednesday, April 18th, 19:00-22:00, Comprehensive Exam.

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 conflict with such plans.

If you require special exam accommodations which have been documented by the Center for Students with Disabilities (CSD), please provide CSD documentation within the first two weeks of the semester, or whenever you are evaluated (at least one week prior to an exam).

Attendance: In the event of an absence, you are responsible for the work you missed. Also, please be courteous and turn off all cell phones, pagers, and other electronic devices during class.

Academic Integrity: Simon Fraser University values academic integrity. All students must understand the meaning and consequences of cheating, plagiarism, and other academic offenses under the Code of Student Conduct and Disciplinary Procedures (see <http://www.sfu.ca/policies/teaching>).

Calculators: Programmable calculators with symbolic computation and calculators with graphing capability are **NOT** allowed for the mid-term exams and the final exam.

Course Grade: Your final course percentage will be calculated as follows:

<u>Method 1</u>	
Homework:	10%
Midterm 1:	20%
Midterm 2:	20%
Final Exam:	50%

Important Dates:

Last Day to Drop on GoSFU: Friday, February 9

Exam 1: Monday, 5 February

Exam 2: Monday, 5 March

Last Day of Classes: Wednesday, 4 April

Final Exam: Wednesday, 18 April