



UNIVERSITY OF
CALGARY

Faculty of Science

DEPARTMENT OF MATHEMATICS AND STATISTICS

Course Information Sheet

Course:	Math 251 - Calculus I - (Webwork Edition) Fall 2009
Lecture/Time/Session	L02 M W F 10:00 SA 106 L09 M W F 8:00 ST 141
Instructor/e-mail:	Elena Braverman maelena@math.ucalgary.ca Philippe Dovoedo pkdovoed@ucalgary.ca
Lab B05 F 8:00 MS 325	Philippe Dovoedo
Lab B06 Th 9:00 MS 325	Philippe Dovoedo
Lab B07 Tu 9:00 MS 325	Elena Braverman
Lab B08 Th 10:00 MS 325	Philippe Dovoedo
Lab B34 M 9:00 MS 325	Philippe Dovoedo
Lab B35 Tu 8:00 MS 431	Elena Braverman
Office/Phone	MS 444, 220-3956
Office hours	MWF 9:05-9:45 WF 11:05-11:30 F 14:00-15:30
Course's homepage:	math.ucalgary.ca/~maelena/251.html

1. **Prerequisites:** a grade of 70% or higher in Mathematics 30 or Pure Mathematics 30 and a grade of 50% or higher in Mathematics 31.

NOTE: Credit for more than one of MATH 249, 251, 281 and AMAT 217 will not be allowed.

NOTE: The Faculty of Science policy on pre- and co-requisite checking is outlined in the current University Calendar (see www.ucalgary.ca/pubs/calendar) Faculty of Science, section 5C. It is the students' responsibility to ensure that they have the pre- and co-requisites for the course, and if they do not they will be withdrawn from the course without notice.

2. **Fee policy:** After the last day to drop/add courses (September 21, 2009, Monday), there will be no refund of tuition fees if a student withdraws from a course, courses or the session.
3. **Academic Accommodations:** It is the student's responsibility to request academic accommodations. A student with a documented disability who may require academic accommodation must register with the Disability Resource Centre to be eligible for formal academic accommodation. DRC registered students are required to discuss their needs with the instructor no later than fourteen (14) days after the start of this course.
4. **The university policy on grading** and related matters is described in the current University Calendar, *Academic Standings*. In determining the overall grade in the course, the following weights will be used:

Webwork Homework	[10]	10 %
Quizzes	[4]	20 %
Mid-term test	[1]	20 %
Final exam		50 %

There will be a two-hour final examination scheduled by the Registrar's Office. A passing grade on the final exam is necessary to passing the course as a whole.

The use of calculators, formula sheets, books during the quizzes, midterm test and the final examination **IS NOT** permitted. Quizzes are computer-based and you can use a calculator in your computer.

5. **Missed Components of Term Work:** The regulations of the Faculty of Science pertaining to this matter are outlined in the current University Calendar, *Faculty of Science, section 6A*. It is the student's responsibility to familiarize herself/himself with these regulations.
6. **Academic misconduct** (cheating, plagiarism, or any other form) is a very serious offence that will be dealt with rigorously in all cases. A single offence may lead to disciplinary probation or suspension or expulsion. The Faculty of Science follows a zero tolerance policy regarding dishonesty. Please see: <http://www.ucalgary.ca/honesty>
7. Dates and times of class exercises held outside of class hours (evening tests, Saturday laboratory examinations, weekend field trips, etc.): **REGULARLY SCHEDULED CLASSES HAVE PRECEDENCE OVER ANY OUT-OF-CLASS-TIME-ACTIVITY**
THERE WILL BE NO OUT OF CLASS ACTIVITY SCHEDULED FOR THIS COURSE.
8. **Textbook:** Robert A. Adams (or Adams & Essex): Single Variable Calculus (or Complete Course) - Edition 5-7, or an electronic book.
9. **The midterm** test will be in class on Monday, **November 9, 2009**. There will be four quizzes, each of duration 50 minutes, administered during the regularly scheduled labs of this lecture section in **MS 317**. There will be ten assignments, one mid-term test and a two-hour final exam. A passing grade on the final exam is necessary to pass the course.
10. Only the Windows Calculator will be available and permitted at quizzes. Calculators are not allowed for the midterm test or the final exam.
11. In addition to the instruction provided by the lab instructor there is a **Continuous Tutorial** available where students may obtain individual help with questions about the course material and exercise problems. The tutorial will be held in MS 365, MTW 11:00-16:00 R 11:00-15:00, F 11:00-14:00.
12. Students who already know the material of MATH 251 and wish to proceed immediately to take MATH 253 may take a **Challenge Examination**. The test is essentially a final exam in MATH 251 and a grade of A- or more is required to proceed immediately to MATH 253. Only those students who have never been enrolled in MATH 249 or MATH 251 are eligible to write the test. The exact date and application materials can be obtained from the Department Office MS 476 (220-5203) by September 10, 2009.

13. The Society for Calgary Undergraduate Mathematics (**SCUM**) sells exam packages, runs final reviews (SCUM's office is in MS337A, e-mail scum@math.ucalgary.ca, phone 220-3938, webpage www.math.ucalgary.ca/~scum)
14. University of Calgary Actuarial Society is a great way for actuarial students to meet each other as well as potential employers. They hold events throughout the year with local actuarial companies that are great for networking. UCAS is also a great source of knowledge on the actuarial field and on information about SOA and CAS exams, which courses are best to take and what companies offer summer work programs. UCAS is located in MS 522. Please see their website for office hours and more information. www.ucalgary.ca/~actuary
15. **Calculus Connections** is a companion course to this one offered by Y. Elsabrouty. There are no prerequisites and no cost to the student. The Monday/Wednesday sessions will review the relevant high school material, while the Tuesday/Thursday sessions will integrate the background material with the calculus topics and explain the main concepts, give examples and strategies. The schedule is available at www.math.ucalgary.ca/~maelena/MATH251/calculusconnections.pdf
16. **Homework:** Homework problems will be assigned (approximately) weekly. These are to be completed using the computer homework system **WEBWORK** which can be accessed at <http://webwork.ucalgary.ca>

Syllabus

Week	Sections	Webwork	Tests
Sept 9-11	P.1-P.3		
Sept 14-18	P.4-P.7, 3.2	Review Exercise due	
Sept 21-25	3.2, 1.2-1.3	Assignment 1 due	
Sept 28-Oct 2	1.4, 2.1	Assignment 2 due	
Oct 5-9	2.1-2.4	Assignment 3 due	Quiz 1
Oct 12-16	2.5,2.7,2.8	Assignment 4 due	
Oct 19-23	2.9,3.2-3.3,4.1	Assignment 5 due	Quiz 2
Oct 26-30	2.6,4.3,4.4,4.5	Assignment 6 due	
Nov 2-6	4.6-4.8	Assignment 7 due	Quiz 3
Nov 9-13			Midterm test
Nov 16-20	2.10,5.3	Assignment 8 due	
Nov 23-27	5.4-5.6	Assignment 9 due	
Nov 30-Dec 4	5.7, Review	Assignment 10 due	Quiz 4
Dec 7	Review		

No classes October 12 (Thanksgiving Day) and November 11-13 (reading days).