

COURSE INFORMATION SHEET
FALL 2009

1. **Course: Math 251 - Calculus I**

Lecture	Days	Time	Location	Instructor	Office	Phone
LEC 04	MWF	12:00 - 12:50	ST 143	Dali Zhang	MS 590	220-7346
				Email: dlzhang@math.ucalgary.ca		
LAB 13	T	17:00 - 17:50	MS 371	Ryan Trelford	MS 490	220-3677
				Email: rgtrelfo@math.ucalgary.ca		
LAB 14	T	17:00 - 17:50	MS 325	Keith Hitchon	MS 387	220-3947
				Email: khitchon@hotmail.com		
LAB 15	W	17:00 - 17:50	MS 371	Dali Zhang		
LAB 16	W	17:00 - 17:50	MS 325	Philippe Dovoedo	MS 330	220-4501
				Email: pkdovoed@ucalgary.ca		

Office hours: MW13:00-13:50, F 11:00-11:50 or you may make an appointment for some other time.

2. **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 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responsibility to ensure that they have the pre- and co-requisites for the course, and if they do not they will be withdrawn from the course without notice.**

3. **Fee policy:** After the last day to drop/add courses, there will be no refund of tuition fees if a student withdraws from a course, courses or the session.
4. **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.
5. **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:
- | | | | |
|---------------|------|----------------|-----|
| Assignments | [10] | (WebWork) | 10% |
| Quizzes | [4] | (Hand-Writing) | 20% |
| Mid-term Test | [1] | | 20% |
| Final Exam | | | 50% |
- There will be a final examination scheduled by the Registrar's Office.** A passing grade on the final examination is necessary to passing the course as a whole.
6. **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.
7. **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 read the sections of the current University Calendar under the heading *Student Misconduct* and the information on integrity at www.ucalgary.ca/honesty
8. **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.

9. **Text:** Calculus, A complete Course (Sixth Edition or Seventh Edition) by Robert A. Adams.
10. **The midterm** test will be in class on Monday, **November 9**, 2009. There will be four **hand-writing quizzes**, each of duration 40 minutes, administered during the regularly scheduled labs of this lecture section. There will be ten **WebWork assignments**, one mid-term test and a 2-hour final exam. A passing grade on the final exam is necessary to pass the course.
11. Calculators are not allowed for quizzes or mid-term test or the final exam.
12. In addition to the instruction provided by their lecturer and tutorial instructor, there is a continuous tutorial available where students may obtain individual help with questions about the course material and exercise problems. Faculty members and graduate students will be available in the continuous tutorial room to answer questions in a one-to-one fashion. The location and hours of operation of the continuous tutorial will be announced by the lecturer and posted to the course website: <http://math.ucalgary.ca/courses>.
13. 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 A- is required to proceed immediately to MATH 253. Only those students who have never before enrolled in MATH 249 or 251 and who wish to take MATH 253 are eligible to write the test. Applicants should have done exceptionally well in high school mathematics. The test is held early during the second week of classes. The exact date and application materials can be obtained from the Department Office MS 476 (220-5203).

14. SCUM

The Society for Calgary Undergraduate Mathematics is located in MS337A. They sell exam packages, run final reviews, and can often assist with problems. Please see their website for drop-in hours and events. They look forward to meeting you! <http://math.ucalgary.ca/~scum/>

15. CALCULUS CONNECTIONS

Calculus Connections is a companion course to this one offered by Y. Elsabrouty. There are no prerequisites and there is 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. Added to this are midterm and final examination reviews. The schedule is available at the course website: "www.math.ucalgary.ca/~maelena/MATH251/calculusconnections.pdf".

16. Continuous Tutorial

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.

17. 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

18. Assignments/Quizzes

Homework problems will be assigned (approximately) weekly. There are ten **WebWork assignments** which are to be completed using the computer homework system WEBWORK which can be accessed at "<http://webwork.ucalgary.ca>". They are due at 11:59pm on Wednesdays (except for one non-credit review exercise at the start of term, which is due on a Friday). You may attempt each assignment question in WebWork up to 3 times before the due day. Associated with each credit-assignment in WebWork is a non-credit exercise with similar questions and unlimited attempts. Complete the exercise before your attempting the credit-assignments. There is also an Introduction Exercise in WebWork to help you familiarize yourself with the system. You are strongly advised to start work on your assignments early in case you have difficulties and need to seek any help from TA's or Instructors.

Four quizzes are hand-writing-based, each of duration 40 minutes and are "Closed Book". Calculators are not allowed for the quizzes or mid-term test or the final exam. You should be registered in one of 4 Labs: LAB 13, 14,

15, or 16. When you write your 4 quizzes it depends on which lab you are in. In a quiz week, go to your regularly scheduled lab room.

19. **Tentative Schedule (Math 251 - Calculus I - LEC 04 - Fall 2009)**

Week	Date	Sections	WebWork	Tests
1	09/09 - 09/11	P.1-P.3		
2	09/14 - 09/18	P.4-P.7, 3.2	Review Exercise due	
3	09/21 - 09/25	3.2, 1.2-1.3	Assignment 1 due	
4	09/28 - 10/02	1.4, 2.1	Assignment 2 due	
5	10/05 - 10/9	2.1-2.4	Assignment 3 due	Quiz 1
6	10/12 - 10/16	2.5, 2.7, 2.8	Assignment 4 due	
7	10/19 - 10/23	2.9, 3.2-3.3, 4.1	Assignment 5 due	Quiz 2
8	10/26 - 10/30	2.6, 4.3, 4.4, 4.5	Assignment 6 due	
9	11/02 - 11/06	4.6-4.8	Assignment 7 due	Quiz 3
10	11/09 - 11/13	Reading Days. No Lectures (Nov 11-13)		Midterm Test
11	11/16 - 11/20	2.10, 5.3	Assignment 8 due	
12	11/23 - 11/27	5.4-5.6	Assignment 9 due	
13	11/30 - 12/04	5.7, Review	Assignment 10 due	Quiz 4
14	12/07	Review		

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