

COURSE INFORMATION SHEET

FALL 2006

1. **Course:** **MATHEMATICS 249 - Introductory Calculus**
Lecture/Time/Session: L07 TH: 15:30 ~ 16:45 ST145
 L07 W: 12:00 ~ 12:50 ST145
Instructor(s): S. Tomoda
Office/Phone/Email: MS320 220 – 5092 tomoda@math.ucalgary.ca

2. **Prerequisites:** A grade of 70% or higher in Pure Mathematics 30 or equivalent.

NOTE: Not open to students with 60% or higher in Math 31, except with special departmental permission. 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responsibility to ensure that they have the pre- and co-requisites for the course, and if they do not they will be withdrawn from the course without notice.**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]	10%
Quizzes	[4]	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 Single Variable (or Complete Course), Sixth Edition

Author: Robert A. Adams

10. There will be four quizzes administered during the regularly scheduled labs of this lecture section. Each quiz consists of eight questions, and is to be done in 50 minutes. There will be one mid-term test and a two-hour final exam. **A passing grade on the final exam is necessary to pass the course.**
11. There are two non-credit review assignments, and ten credit assignments. All assignments are WebWork internet based, and all are due 12:01 a.m. Sunday. The ten credit assignments together are worth 10% of the course. The two non-credit review assignments are to let you become familiar with WebWork as well as review some pre-Calculus mathematics. Review assignment 2 also contains a few Calculus questions. Even though each assignment is not worth a whole lot of marks, they are essential to a good understanding of the course material, and as the only way to learn mathematics is to do mathematics, you should not expect to succeed in this course without devoting yourselves to doing problems.
12. Calculators **ARE NOT** permitted at quizzes, mid-term test, or the final exam.
13. 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 continuous tutorial is located at MS365, 11:00 ~ 15:00 for Mondays, Tuesdays, Wednesdays, and Thursdays, and 11:00 ~ 14:00 for Fridays. It runs from September 18, 2006 to December 8, 2006, and a special continuous tutorial maybe scheduled for the final exam period.

It is also encouraged to attend Calculus Connections organized by Professor Elsabrouty. The schedule is found at [Calculus Connections](#).

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. The office is open from 10am to 3pm Monday ~ Friday, and you are welcome to drop by. They look forward to meeting you!

15. **CALCULUS CONNECTIONS**

Calculus Connections is a companion course to Introductory Calculus 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: <http://www.math.ucalgary.ca/education/undergrad/> under the course listing.

16. The following is a tentative schedule. I will try to follow this as closely as possible and **you are expected to read the appropriate section(s) before coming to each lecture.**

Week	Sections	Quizzes	Assignments due
Sept 11-15	P1-P5		Non-credit review
Sept 18-22	P6-1.2		Non-credit review
Sept 25-29	1.3, 1.4, 2.1	Quiz 1	1
Oct 2-6	2.2-2.4	Quiz 1	2
Oct 10-13	2.5-2.7		3
Oct 16-20	2.8-2.11	Quiz 2	4
Oct 23-27	3.1-3.4	Quiz 2	5
Oct 30 – Nov 3	4.1, 4.2	Quiz 3	6
Nov 6-10	4.3-4.5	Quiz 3	7
Nov 13-17	4.5		
Nov 20-24	4.7, 4.9, 5.1		8
Nov 27- Dec 1	5.2-5.5	Quiz 4	9
Dec 4 – 8	5.6-5.7	Quiz 4	10