

COURSE INFORMATION SHEET  
FALL 2007

1. **Course:** MATHEMATICS 251 - *Calculus I*  
**Lecture/Time:** L02 MWF 10:00  
**Instructor(s):** Dr. R. A. Mollin  
**Office/Phone/Email:** MS 588 220-7196 ramollin@math.ucalgary.ca
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](http://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responsibility to ensure that they have the pre- and co-requisites for the course, and if they do not they will be withdrawn from the course without notice.**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:

Quizzes	[5]	30%	[Best 4 of 5]
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. The use of aids such as open book, etc. is not permitted.

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](http://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 of a Single Variable: Early Transcendental Functions, 4th edition  
**Author:** Larsen, Hostetler and Edwards (Houghton-Mifflin publishers 2007)
10. There will be five quizzes, each of approximate 35 minute duration, administered during the regularly scheduled labs of this lecture section. 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. Calculators **ARE NOT** permitted at quizzes, 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 website: <http://math.ucalgary.ca/undergrad/courses/listings>.
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 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. 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 Calculus I 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://math.ucalgary.ca/undergrad/courses/listings> under the Semester and Course.

# Department of Mathematics and Statistics

## Course Information Sheet

1. **Course:** MATH 251 Fall, 2007  
**Lecture/Time/Room:** L02, MWF, 10:00, Room # SA106  
**Instructor:** Dr. R.A. Mollin  
**Office, Telephone Numbers:** MS 588, 220-7196
2. In addition to the instruction provided by their lecturer and lab 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. These are held MWRF from 11:00–15:00 and on Tuesday from 12:00–15:00 in MS 365.
3. The quizzes (best four out of five) are worth 30% of your final grade. The mid-term test is worth 20% of your final grade and the final exam is worth 50%.
4. There will be no makeup exams for a missed missed midterm. If serious reasons are given, such as a medical problem, then the percentage of the midterm will be added to the final.
5. If a student wishes to write a quiz in a lab other than their own, then they must coordinate this between their lab instructor and the alternate lab instructor. It is the student's responsibility to ensure this is coordinated properly.
6. Any disability-authorized exam must go directly to the lab instructor, not Dr. Mollin.
7. Lab instructors must provide, at the end of term, a **complete** set of marks for each student.
8. It is a student's responsibility to ensure that noise levels are kept to a minimum. If another student is misbehaving, then they are abusing the other students' time and should be told to be quiet. If the problem persists, then the student's name should be given to Dr. Mollin, and in it is possible that the student may have to be expelled from the class.
9. E-mails pertaining to Math 251 are answered, at most, once a week due to the volume.

# The University of Calgary

## Department of Mathematics and Statistics

### Course Calendar for Math 251

Lecture: L02 (Fall 2007)

Dr. R.A. Mollin

WEEK	DATES	TEXT PAGES TO BE COVERED
1	September 10, 12, 14	Pre-calculus Review: Appendix D — available at: <a href="http://college.hmco.com/pic/larsoncalculusvert4e">college.hmco.com/pic/larsoncalculusvert4e</a>
2	September 17, 19, 21	1–30, 37–40
3	September 24, 26, 28	62–66, 79–107, 238–244
4	October 1, 3, 5	116–135, 140–146
5	October 8, 10, 12	151–156, 166–170
6	October 15, 17, 19	49–54, 133, 157–160, 169–174
7	October 22, 24, 26	182–186 & Mid-Term Test Wed.& Hand-back on Fri.
8	October 29, 31, November 2	204–208, 212–215, 219–225, 230–234, 249–255
9	November 5, 7, 9	259–264, 284–291, 295–303, 307–314
10	November 14, 16	318–326, 331–339
11	November 19, 21, 23	175–176, 352–357
12	November 26, 28, 30	446–451
13	December 3, 5, 7	271–275, Appendix C, Review

**Notes:**

1. All students are responsible for the above material whether or not it is explicitly covered during lecture hours. Also, students are responsible for all lecture material given during regular class hours whether or not it is explicitly covered in the text, which is the third edition of: “Calculus of a Single Variable: Early Transcendental Functions” by Larsen, Hostetler and Edwards; Houghton-Mifflin publishers (2007), Fourth Edition.
2. Some deviations from this schedule are to be expected.
3. The Mid-Term Exam will be held during regular class hours on Wed. October 24th, and the marked test handed back and discussed on Friday, October 26th.
4. Calculators are NOT permitted at quizzes, mid-term tests, or the final exam.
5. Note the quiz times. Labs #B05–B06 on Tuesdays @ 09:00 in MS 371 (resp. 325), and ; Labs #B07–B08 on Thursdays at 10:00 in MS 371 (resp. 325). **Labs begin on September 18.** Each quiz is approximately 35 minutes in duration,

QUIZ#	Labs # B05–B06	Labs #B07–B08
1	September 25	September 27
2	October 9	October 11
3	November 6	November 8
4	November 20	November 22
5	December 4	December 6

6. Office hours for Dr. Mollin are by appointment only. In addition, his lab assistants are available in the assigned labs each week at the designated times cited above.