# THE UNIVERSITY OF CALGARY
## FACULTY OF SCIENCE
### Department of Mathematics and Statistics
### COURSE INFORMATION SHEET
### Winter 2007 MATH 253/263 L07

1. **Course: Math 253/263 - Calculus II/Enriched Calculus II**     **Winter 2007**

| Lecture/Lab | Days | Time | Location | Instructor |
|---|---|---|---|---|
| **L07** | **TR** | **09:30–10:45** | **ST 145** | **C. Cunningham** |
| | | email: | cunning@math.ucalgary.ca | |
| **B25** | **W** | **13:00–13:50** | **MS 371** | |
| **B26** | **W** | **13:00–13:50** | **MS 325** | |
| **B27** | **W** | **10:00–10:50** | **MS 371** | |
| **B28** | **W** | **10:00–10:50** | **MS 325** | |
| **MATH263** | **T** | **11:00–12:15** | **MS 527** | **J. Ling** |
| | | email: | ling@math.ucalgary.ca | |

2. **Prerequisite(s): Math 249 or 251 or Amat 217**     Corequisite: **None**

   **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 student's responsibility to ensure that they have the pre- and/or co-requisites for the course, and if they do not they will be withdrawn from the course without further notice.**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:

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| | |
|---|---|
| **Webwork Homework (10)** | **10%** |
| **Mid-term Test (50 mins.)** | **25%** |
| **Quizzes (5 × 50 mins.)** | **15%** |
| **Final Exam (120 mins.)** | **50%** |

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   There will be a final examination scheduled by the Registrar's Office. Students must obtain at least a grade "D" on the final examination in order to obtain an overall final grade of D or better.

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 rigourously 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. See: `http://www.ucalgary.ca/honesty/`

8. There will be one mid-term in-class examination.

9. **Recommended Reading:**   either *Calculus: a Complete Course* or *Calculus: Single Variable* by R. A. Adams, Addison-Wesley.

10. **Calculators:**   The use of calculators during quizzes, the midterm test, or final examination is **not** permitted.

11. **Homework & Quizzes:**   Homework problems will be assigned (approximately) weekly, and these are to be completed using the computer homework system WEB-WORK which can be accessed at `http://webwork.ucalgary.ca`. Each student will have an account and the assignments can be done from any computer with web access. Your answers to the assignment questions will be checked and marked (by the computer) on a right/wrong basis. Details about the system and how to use it will be provided during the term.

    The weekly tutorials are each of 50 minute duration. If you have problems with any questions you can ask your tutorial instructor for help during this time. In addition, during five of these tutorials (roughly every other week; see the course schedule) there will be a quiz of 45 minutes duration. These will be held in the computer room MS317, and will again use the Webwork system. They will also be *Open Book*. You can bring any textbook and/or your notes, but Calculators will not be allowed.

    There is in addition the Continuous Tutorial where you can come and ask a tutor for help on a drop-in basis. This tutorial will be held in MS365, MTWR 11:00 – 15:00 and F 11:00 – 14:00.

12. There is a webpage for this section; to find it, go to

    `http://blackboard.ucalgary.ca`

    Information about the course (including this outline!) will be posted there.

| | Dates | SECTIONS OF TEXT | TEST/QUIZ |
|---|---|---|---|
| | | S C H E D U L E | |
| 1 | Jan. 08, 11 | 3.1, 3.2, 3.3 | no labs |
| 2 | Jan. 16, 18 | 3.5, 3.6 | B25 and B27 Quiz |
| 3 | Jan. 23, 25 | 6.1, 5.6, 6.2 | B26 and B28 Quiz |
| 4 | Jan. 30, Feb. 02 | 6.3 | B25 and B27 Quiz |
| 5 | Feb. 06, 08 | 6.6, 6.5 | B26 and B28 Quiz |
| 6 | Feb. 13, 15 | 5.7 | B25 and B27 Quiz |
| 7 | Feb. 19-23 | Reading Week | |
| 8 | Feb 27, Mar. 01 | 7.1, 7.3 | B26 and B28 Quiz |
| 9 | Mar. 06, 08 | 4.8 | MIDTERM |
| 10 | Mar. 12, 15 | 7.9 and notes | |
| 11 | Mar. 20, 22 | 7.9 and notes | B25 and B27 Quiz |
| 12 | Mar. 27, 29 | 3.7 and notes | B26 and B28 Quiz |
| 13 | Apr. 03, 05 | 3.7 and notes | B25 and B27 Quiz |
| 14 | Apr. 10, 12 | Review | B26 and B28 Quiz |

**NOTES:**

1. The section numbers refer to the text *Calculus: a Complete Course* by Adams. Some departures from this schedule may take place.

2. The Midterm is scheduled for the week of March 5 to March 09. No Calculators will be allowed.

3. By the end of each week you should have mastered the sections of the text indicated on the course schedule and the corresponding assignment. You should prepare for each lecture by reading the text and for each tutorial by attempting to do as many exercises as possible in advance. Math is like weight-lifting – the more reps you do, the stronger you get! In addition to the assigned WEBWORK problems there are many problems in the textbook that you can try. The answers to the odd-numbered exercises are given in the back of the book, so we recommend that you try these first. Your lectures will not necessarily cover everything in detail; they should guide you in your study of the text. Similarly, your tutorial instructor should help you diagnose your difficulties and teach you how to overcome them.

Department Approval: _____ Date: _____