

## COURSE INFORMATION SHEET FALL 2008

1. **Course:** APPLIED MATHEMATICS 311 - Differential Equations I  
**Lecture/Time/Location:** L01 MWF 13:00 – 13:50, KNB126  
**Tutorial/Time/Location:** TUT1 Monday 16:00 – 16:50, MS 427  
TUT2 Thursday 13:00 – 13:50, ST 063  
TUT3 Thursday 13:00 – 13:50, TRB101  
**Instructor:** W. Liao  
**Office/Phone/Email:** MS 530 / 220-3946 / wliao@math.ucalgary.ca
  
2. **Prerequisites:** MATH253 or MATH263 or MATH 283 or AMAT 219, or consent of the Division  
**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responsibility to ensure that they have the pre- and co-requisites for the course, and if they do not they will be withdrawn from the course without notice.**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	[ 6 ] (Best 5)	25%
Midterm Test	[ 1 ]	25%
Final Exam	[ 1 ]	50%

A passing grade on any particular component of the course is essential to passing the course as a whole. There will be a final examination scheduled by the Registrar's Office. \*\*\* 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. See: <http://www.ucalgary.ca/honesty/>
  
8. **There will be ONE out-of-class common midterm examination (1.5 hours), which is scheduled on Oct. 29, 2008, from 6:30PM to 8:00PM.**

REGULARLY SCHEDULED CLASSES HAVE PRECEDENCE OVER ANY OUT-OF-CLASS-TIME ACTIVITY. If you have a conflict with this out of class time activity, please inform your instructor at least one week in advance of the activity so that other arrangements may be made for you.

9. Text: The textbook is: **Elementary Differential Equations**, by **William F. Trench**

10. Homework: No official homework or assignment, but some practise problems will be suggested for each chapter.

11. Grading System:

The final grade is based on the grades achieved in Quizzes, midterm test and comprehensive final examination as follows:

25% on assignments with 5% for each;

25% on the Midterm test;

50% on the final examination scheduled by the Registrar's office.

Students must obtain at least a grade of "D" on the final examination in order to obtain an overall final grade of "D" of better. There is no predetermined grade distribution(curve) for this course. All work will be graded according to the University of Calgary Grading System(Please refer to page 44 of 2007 – 2008 Calendar).

Absence from the various components of the assessment are subject to the regulations outlined on the 2007 – 2008 Callendar.

13. Schedule(Tentative)

Week #	Date	Sections	Notes
1	Sep. 8 – Sep. 12	1.1,1.2,1.3	No tutorials
2	Sep. 15 – Sep. 19	2.1,2.2, 2.3,2.4	Quiz #1
3	Sep. 22 – Sep. 26	2.5,2.6,	
4	Sep. 29 – Oct. 3	4.1,4.2,4.3,4.4,4.5	Quiz #2
5	Oct. 6 – Oct. 10	5.1,5.2,5.3	
6	Oct. 13 – Oct. 17	5.4,5.5,5.6,5.7	Quiz #3
7	Oct. 20 – Oct. 24	6.1,6.2,6.3,6.4	
8	Oct. 27 - Oct. 31	7.1,7.2	Mid-term
9	Nov. 3 – Nov . 7	7.3,7.4	Quiz #4
10	Nov. 10 – Nov . 14	7.5,7.6,7.7	
11	Nov. 17 – Nov . 21	8.1,8.2,8.3	Quiz #5
12	Nov. 24 – Nov. 28	8.2,8.4,8.5	
13	Dec. 1 - Dec. 5	10.1,10.4,10.5,10.6	Quiz #6

**Notes:**

1. The section numbers refer to the text by William F. Trench. Some departures from this schedule may take place.
2. The lecture falling on the test day will be used for review.
3. By the end of each week you should have mastered the sections of the text indicated on the course calendar. 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. Your lectures will not necessary cover everything in detail; they should guide you in your study of the text. Similarly, your tutorial instructor will help you diagnose your difficulties and teach you how to overcome them.