

COURSE INFORMATION SHEET  
WINTER 2008

- Course:** APPLIED MATHEMATICS 411 - Differential Equations II  
**Lecture/Time/Location:** MWF 14:00 – 14:50, MS 431  
**Tutorial/Time/Location:** T 14:00 – 14:50, ST 064  
**Instructor:** W. Liao  
**Office/Phone/Email:** MS 530 / 220-3946 / wliao@ucalgary.ca
- Prerequisites:** One of AMAT 311 or AMAT 307, and one of MATH 331, 353, AMAT 309, or consent of 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responsibility to ensure that they have the pre- and co-requisites for the course, and if they do not they will be withdrawn from the course without notice.**
- 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.
- 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.
- 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:

<i>Assignments</i>	[ Best 5 of 6 ]	15%
<i>Midterm Test</i>	[ 1 ]	35%
<i>Final Exam</i>	[ 1 ]	50%

There will be a final examination scheduled by the Registrar's Office. The midterm and final examinations are closed book. Calculators are NOT permitted during midterm and final exams. There is no predetermined grade distribution for this course. Students MUST obtain a passing grade on the final examination in order to obtain an overall final grade of "D" or better in the course as a whole.
- 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.
- 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/>
- There will be **ONE** out-of-class common midterm examination (1.5 hours), which is scheduled on  
**March 17, 2008 (Monday), 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.

Text: The textbook is: **Ordinary Differential Equations**, by **Tyn Myint-U**

10. Homework: Homework assignments will be sent to class via email on **Monday**(approximately) bi-weekly. Each assignment is due in class on the same day when the next assignment is posted, except for the last assignment(#6,) which is due on **Friday, April 18, 2008**. Each assignment set consists of 6 questions with each question values equally.

11. Grading System:

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

15% on assignments;

35% on the 90 minute Midterm test, and

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" or 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.

12. Course webpage : TBA...

13. Schedule(Tentative)

Week #	Date	Sections	Notes
1	Jan. 14 – Jan.18	1.1,1.2,1.3	No tutorials
2	Jan. 21 – Jan.25	2.1,2.2, 2.3	
3	Jan. 28 – Feb.1	2.4,2.5,3.1	
4	Feb. 4 – Feb. 8	3.2,3.3,3.4	
5	Feb. 11 – Feb. 15	3.5,3.6,3.7	
6	Feb. 18 – Feb. 22	Reading Week	No class and tutorial
7	Feb. 25 – Feb. 29	5.2,5.3,5.4	
8	Mar. 3 - Mar. 7	5.5,5.6,5.7	
9	Mar. 10 - Mar. 14	Midterm review,6.1,6.2,6.3	
10	Mar. 17 - Mar. 21	6.4,6.5,7.1	Midterm test on March 17
11	Mar. 24 - Mar. 28	7.2,7.3,7.4	
12	Mar. 31 – Apr. 4	7.5,7.6, 8.1	
13	Apr. 7 - Apr. 11	8.2,8.3,8.4	
14	Apr. 14 – Apr. 18	8.5,8.6, review	

**Notes:**

1. The section numbers refer to the text by Tyn Myint-U. Some departures from this schedule may take place.
2. The lecture falling on the test day will be used for review and the test will be held on Monday, March 17,2008 from 6:30PM to 8:00PM. The midterm test will be on material up to and including week 8. No calculators allowed.
3. By the end of each week you should have mastered the sections of the text indicated on the course calendar 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. 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.