UNIVERSITY OF
CALGARY

Faculty of Science
DEPARTMENT OF MATHEMATICS AND STATISTICS
Course Information Sheet

1. Course: **AMAT 307 Differential Equations for Engineers**   Fall **2003**

Lectures	Day	Time	Room	Instructor	Office	Email (@math.ucalgay.ca)
L01	MWF	10:00	ENA103	Prof. Braverman	MS444	maelena
T01	R	9:30	ENA101	Prof. Braverman		
L02	MWF	9:00	ENE243	Prof. Brenken	ES162	bbrenken
T02	T	9:30	ENA101	Prof. Brenken		
L03/05	MWF	15:00	ENA 101	Prof. Enns	MS548	enns
T03/05	T	14:00	ENA101	Prof. Enns		
L04/06	MWF	14:00	ENA101	Prof. Chang	MS426	kchang
T04/06	R	14:00	ENA101	Prof. Chang		

2. **Prerequisites:**   Amat 219 and Math 221
   Co-requisites: None
   NOTE: The Faculty of Science policy on pre- and co-requisite checking is outlined on page 198 of the 2003-2004 Calendar. **It is the students' responsibility to ensure that they have the pre- and co-requisites for the course. If they do not, they will be withdrawn from the course without notice.**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. **The University policy on grading and related matters** is described on pages 44-53 of the 2003-2004 Calendar. In determining the overall grade in the course, the following weights will be used:

Assignments	[5]	13	%
Mid-term Test	[1]	32	%
Tutorials	[10]	05	%
Final Exam	[1]	50	%

There will be a 3 hour final examination scheduled by the Registrar's Office. **.**
Mid-term: There will be a 90 minute out of class common midterm scheduled by the Faculty of Engineering.
Texts: **Elementary Differential Equations** by W. Kohler and L. Johnson, Addison Wesley, 2003.
Calculus a complete course by R. A. Adams, Addison Wesley, 4th Edition.
You may find other books helpful for some sections of the course. *These are not required*. For example, Differential Equations by Guteman and Nitecki is an older, out of print test that you may be able to obtain from former students. There are also Schaum's Outline books on Ordinary Differential Equations covering some aspects of the material.

Calculators: Calculators are **NOT** allowed during the midterm and final examination.

5. **Missed Components of Term Work.** The regulations of the Faculty of Science pertaining to this matter are outlined on page 199, of the 2003-2004 Calendar. It is the student's responsibility to familiarize herself/himself with these regulations.

6. **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 2003-2004 University Calendar under the heading "Student Misconduct", pages 51-53.

7. There will be one 90 minute out of class common mid-term examination scheduled by the Faculty of Engineering. (Tentatively it is scheduled for Thursday evening, October 30, 2003.)
   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.

8. General: As with any mathematics course, success can best be achieved by keeping up with the material on a regular basis, rather than letting it slide, losing track of the lectures, and trying to learn at the last minute. You will need a good working knowledge of linear algebra and calculus.
   Take advantage of the tutorials to ask any questions concerning problems or course materials. The lectures will not cover everything; they are a guide to your study of the material.

Assignments will be done over the web using webwork at http://webwork.ucalgary.ca/

More information will be provided in the first two weeks of classes.
Inquiries about webwork should be addressed to webwork@math.ucalgary.ca

Calendar

		Material	
September	8 – 12	1.1, 1.2, 2.1, 2.2	No tutorials
	15 – 19	2.3, 2.5, 3.2	Tutorial 1
	22 – 26	3.3, 3.4	Tutorial 2
September/October	29 - 03	4.1, 4.2, 4.3, 5.3, 4.4	Tutorial 3
October	6 – 10	4.5, 4.6, 5.4, 4.8	Tutorial 4
	13* – 17	4.9, 4.10, 5.5	No tutorials
	20 – 24	6.1, 6.3, 6.4, 6.5	Tutorial 5
	27 – 31	6.6, 6.7, 6.8	Mid-term October 30, Tutorial 6
November	3 – 7	7.1, 7.2	Tutorial 7
	10† – 14	7.3	No tutorials
	17 – 21	9.1^A, 9.2^A	Tutorial 8
	24 -28	9.3^A, 9.4^A, 9.5^A, 9.6^A	Tutorial 9
December	1 – 5	10.1, 10.2, 10.3, 10.4	Tutorial 10
	8		

*   October 13 Thanksgiving   No lectures

†   November 10 – 11   Reading days no lectures

A   from the Adams text

Note: The schedule of material covered is meant as a rough guide only. Departures from this schedule are expected. The scheduling of the mid-term by the Engineering Faculty is tentative.