

COURSE INFORMATION SHEET FALL 2008

1. Course: AMAT 307 Differential Equations for Engineers

Lecture	Time	Room	Instructor	Office	Phone	Email
L01	MWF 9:00	ENE 241	B. Brenken	MS372	403-220-3948	bbrenken@ucalgary.ca
L02	MWF10:00	ICT 121	C. Rios	MS546	403-220-3221	crios@ucalgary.ca
L03	MWF15:00	ENE 241	P. Zvengrowski	MS430	403-220-7456	zvengrow@ucalgary.ca
L04	MWF14:00	ENE 243	M. Lamoureux	MS514	403-220-8214	mikel@ucalgary.ca

- 2. Prerequisites: Linear Algebra (MATH 211/221) and Calc II (AMAT 219 or MATH 253/263/283 plus MATH 114).**
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 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responsibility to ensure that they have the pre- and co-requisites for the course, and if they do not they will be withdrawn from the course without notice.**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:
- | | | |
|----------------|--------|------|
| Online Quizzes | [10] | 20 % |
| Midterm Exam | [1] | 30 % |
| Final Exam | | 50 % |
- A passing grade on the final is required to pass the course. The final examination will be scheduled by the Registrar's Office. For the examinations, students may use the sanctioned Schulich School of Engineering calculator. No other aids or notes 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 offense that will be dealt with rigorously in all cases. A single offense 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. The midterm examination will be held OUTSIDE OF CLASS HOURS and is scheduled for the evening of Wednesday, October 29. Be sure to hold open this time in your schedule.**

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.

Associate Dean's approval for out of regular class time activity

Date: _____

Department approval

Date: _____

9. Text and online materials:

The text for this course is **Elementary Differential Equations and Boundary Value Problems** by **Boyce and DiPrima** (8th edition) along with the **WILEYPLUS** online learning/testing system. The book and **WILEYPLUS** is available at the bookstore, at a single bundled price. If you wish, you may purchase **WILEYPLUS** only for half-price, which contains both electronic access to the text contents and the online learning/testing system. **WILEYPLUS** by itself is available at the bookstore, or via the website www.wileyplus.com/buy

10. WILEYPLUS

WileyPlus is an online learning and testing system provided by the publisher of our textbook. ALL QUIZZES WILL RUN THROUGH **WILEYPLUS**. There are extensive tutorials and online help to guide you. Technical support questions should be sent first to the WileyPlus tech support webpage -- NOT to your professor.

Each student MUST purchase access to the **WILEYPLUS** system, as the online quizzes will be run through **WILEYPLUS**. This system also includes many valuable resources that will help you in studying for the course.

The websites to access are as follows:

Lec 01: <http://edugen.wiley.com/edugen/class/cls62789>

Lec 02: <http://edugen.wiley.com/edugen/class/cls66916>

Lec 03: <http://edugen.wiley.com/edugen/class/cls66917>

Lec 04: <http://edugen.wiley.com/edugen/class/cls66918>

To access the materials for our course, you log in using your email address as your login name, and your 8 digit student number as your password. Change your password once you have logged in, to protect your information.

11. Weekly Assignments and Quizzes:

There will be reading assignments posted each week, and ten online quizzes to complete, at roughly one per week. The quizzes are intended as a review of the material covered in the lecture and form an excellent preparation for the midterm and final examinations. As the online quizzes are unsupervised, you may collaborate with your study partners and use whatever study aids necessary to successfully complete the exam. However, you may find it to your advantage to simulate true examination conditions by attempting the final solutions on your own.

12. Calculator policy:

On the midterm and final examinations, students may use the the sanctioned Schulich School of Engineering calculator. No other aids, notes, or books are permitted during the examinations.

13. Tutorials:

There will be weekly tutorials associated with the lectures. This is an opportunity to explore additional exercises, ask questions, and review material relevant to the course. The tutorials are scheduled as follows:

Tutorial	Time	Room	Instructor	Office	Phone	Email
T01	R 9:30 - 10:45	ENA 003	J. Haroutunian	MS348	403-220-4819	jjharout@math.ucalgary.ca
T02	R 9:30 - 10:45	ICT 114	D. Glin	MS591	403-220-7598	dglin@math.ucalgary.ca
T03	T 9:30 - 10:45	ENA 003	J. Haroutunian	MS348	403-220-4819	jjharout@math.ucalgary.ca
T04	T 9:30 - 10:45	ICT 116	L. Korobenko	MS342	403-220-4541	lkoroben@ucalgary.ca
T05	T 14:00 - 15:15	ENA 003	P. Zvengrowski	MS430	403-220-7456	zvengrow@ucalgary.ca
T06	T 14:00 - 15:15	ICT 114	L. Korobenko	MS342	403-220-4541	lkoroben@ucalgary.ca
T07	R 14:00 - 15:15	ENA 003	J. Haroutunian	MS348	403-220-4819	jjharout@math.ucalgary.ca
T08	R 14:00 - 15:15	ICT 114	L. Korobenko	MS342	403-220-4541	lkoroben@ucalgary.ca

14. Schedule:

The weekly lecture schedule is approximately as follows. Note the midterm exam has been scheduled for the evening of Wednesday, October 29. There will be no tutorials in the first week of classes, nor during midterm week, nor the week of Reading Days in November.

Week	Date	Sections	Notes
1	Sept 8 - 12	1.1, 1.2, 1.3	No tutorials
2	Sept 15 - 19	2.1, 2.2, 2.3, 2.4	
3	Sept 22 - 26	2.4 (Bernoulli), 2.6, 2.7, 2.8	
4	Sept 29 - Oct 3	3.1, 3.2, 3.3,	
5	Oct 6 - 10	3.4, 3.5, 3.6	
6	Oct 13 - 17	3.7, 4.1, 4.2	
7	Oct 20 - 24	5.1, 5.2, 5.3	
8	Oct 27 - 31	5.4, 5.5, 5.6	Midterm Oct 29, evening. No tutorials
9	Nov 3 - 7	6.1, 6.2, 6.3, 6.4	
10	Nov 10 - 14	7.1, 7.2, 7.4	No classes Nov 10, 11. No tutorials.
11	Nov 17 - 21	7.5, 7.6, 7.7	
12	Nov 24 - 28	7.8, 7.9	
13	Dec 1 - 5	8.1, 8.2, 8.3, Review	