MATH 201 (Winter 2013)—Differential Equations

Time and location  Lecture ES1, MWF 9:00–9:50, CSC B 2

Instructor  Volker Runde, CAB 675, vrunde@ualberta.ca

Office hours  MWF 10–11 or by appointment. (In order to make sure that you don’t waste your time by arriving just when I am not in my office or busy doing something else, please, drop me an e-mail about a day in advance.)


Syllabus  The course will cover (roughly) the following sections from the text: 2.1–2.4, 2.6, 4.2–4.7, 7.2–7.9, 8.2–8.5, 10.1–10.5

Grading  The grade is based on lab work (10%), homework (10%), a midterm exam (30%), and a final exam (50%). Grades will primarily be based on comparison with the long time average performance in the course. In particular, an overall mark of 50% or more guarantees a grade of at least D, and an overall course mark of 90% or more guarantees a grade of at least A—. The grades will be posted by the registrar at http://www.ualberta.ca/WEBCT/science/index.html.

Labs  Weekly labs are held by graduate students. The first lab will be on January 14, 2013.

Homework  Once we get going, there will be weekly homework assignments. The details will be announced in class.

Exams

1. Midterm: Saturday, March 2, 2013 at 16:00. (Students who miss the midterm with an excused absence will have the weight of the exam transferred to the final.)

2. Final: Monday, April 15, 2013 at 14:00. (Students who miss the final and obtain a formal university accepted excuse for their absence in writing, may apply for a deferred exam in their Faculty Office. If approved, the students may write a deferred exam on Saturday, May 4, 2013; the students should meet CAB 357 at 8:30 in the morning.)

There will be no formula sheets and no calculators or other electronic aids allowed at the exams.

Remarks

1. Please, have a look at old exams: some of the engineering undgraduate societies have copies.

2. Do not fall behind. Do the homework, and attend the labs: this is very important.

3. Try to learn the concepts, rather than just memorizing formulae.
4. The Decima Robinson Support Centre in CAB 528 and is open 9:00–15:00 on every working day. In particular, it offers drop-in help-sessions for students in 200-level mathematics courses.

5. If you require accommodations due to a disability, please, discuss your needs with Specialized Support and Disability Services (SDSS).

6. Important information will be made available through the course webpage at


Student responsibilities

**Academic integrity** “The University of Alberta is committed to the highest standards of academic integrity and honesty. Students are expected to be familiar with the standards regarding academic honesty and to uphold the policies of the university in this respect. Students are particularly urged to familiarize themselves with the Code of Student Behaviour (online at [www.ualberta.ca/secretariat/appeals.htm](http://www.ualberta.ca/secretariat/appeals.htm)) and avoid any behaviour with could potentially result in suspicions of cheating, plagiarism, misrepresentation of facts and/or participation in an offence. Academic dishonesty is a serious offence and can result in suspension or expulsion from the university.”

All forms of dishonesty are unacceptable at the university. Any offence will be reported to the Senior Associate Dean of Science who will determine the disciplinary action to be taken. Cheating, plagiarism, and misrepresentation of facts are serious offences. Anyone who engages in these practices will receive at least a grade of zero for the exam or the paper in question, and not opportunity will be given to replace the grade or redistribute the weight. As well, in the Faculty of Science, the sanction for cheating on any examination will include a disciplinary failing grade (no exceptions), and senior students should expect a period of suspension or even expulsion from the University of Alberta.

**Exams** Your student photo ID is required at exams to verify your identity. Students will not be allowed to begin the examination after it has been in progress for 30 minutes. Students must remain in the exam room until at least 30 minutes have elapsed.

**Cell phones** Cell phones are to be turned off during lectures and labs. They are not to be brought to exams.

**Recording of lectures** Recording of lectures is permitted only with the prior written consent of the instructor, or if the recording is part of an approved accommodation plan.

**Disclaimer** Any typographical errors in this outline are subject to change and will be announced in class. The date of the final examination is set by the registrar and takes precedence of the final examination date reported in this outline.