

**MATH 201: Differential Equations  
Winter 2010**

**Textbook:**           **Fundamentals of Differential Equations**, Custom Edition for the U of A (or 7<sup>th</sup> edition), by Nagle, Saff, and Snider.

**Syllabus:**           Sections 2.1–2.4, 2.6; 4.1–4.7, 4.9; 7.1–7.9; 8.2–8.5; 10.1–10.5.

<b><u>Final Grades:</u></b>	<b>Labs</b>	<b>10%</b>
	<b>Assignments</b>	<b>10%</b>
	<b>Midterm Examination</b>	<b>30%</b>
	<b>Final Examination</b>	<b>50%</b>

A total raw grade of 50% or more will result in a pass (D or better). Grades are assigned based on the performance of all students in all sections using historical averages as a guideline.

**Calculators:**           Use of a calculator or other devices during exams will not be permitted.

**Assignments:**           There will be 5 assignments (all will be counted). Hand in written solutions in the appropriate assignment box on the third floor in CAB. For the due dates see the attached schedule. Assignments are due before 5PM on the due date. **Late assignments cannot be accepted** since the solutions to the assignments will be posted on the course web site shortly after the assignments are due.

**Laboratory:**           The course has a 50-minute lab period each week. These labs consist of paper and pencil exercises and weekly lab quizzes. Labs begin Monday, 11 January.

**Midterm Exam:**       **7PM Wednesday, 24 February 2010.**  
  
There is no deferred midterm exam. If you have valid reasons to miss the midterm, its weight will be transferred to the final exam, i.e., your final exam will be worth 80%.

**Final Exam:**           **9AM Friday, 16 April 2010.**

**Deferred Exam:**       **9AM Saturday, 8 May 2010** (requires approval of your Faculty Office).

**Re-examination:**       In addition to the requirements set out in Section 23.5.5 of the Academic Calendar, students wishing to be considered for a re-examination must have, excluding the final, completed at least one half of the term work. Term performance will be considered in the decision to grant reexamination.

**Help Sessions:**       Additional help will be available on a first-come first-serve basis in ED 751 (Education South).

**Web Site:**           Go to <http://www.ualberta.ca> and choose “eclass” (upper right-hand corner of page). When prompted for a User Name and Password, enter your University of Alberta user name and password.

**Absences:**           If you are absent from a lab for a valid reason, please inform the lab instructor. If you cannot submit an assignment for a valid reason, please inform your course

instructor. Documentation is not required for incidental absences, but instructors reserve the right to require a Statutory Declaration if you are often absent. Doctors' notes are not required. You must complete a Statutory Declaration if you are absent from a midterm or final exam. Statutory Declarations can be completed at the Faculty of Science Office in the Biological Sciences Bldg.

**Student Behaviour:** The University of Alberta is committed to the highest standards of academic integrity and honesty. Students are expected to be familiar with these standards regarding academic honesty and to uphold the policies of the University in this respect. Students are particularly urged to familiarize themselves with the provisions of the Code of Student Behavior (online [www.ualberta.ca/secretariat/appeals.htm](http://www.ualberta.ca/secretariat/appeals.htm)) and avoid any behavior, which 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.

**SSDS:** Students who require accommodations in this course due to a disability affecting mobility, vision, hearing, or mental or physical health are advised to discuss needs with Specialized Support and Disability Services, 2-800, SUB, (phone) 492-3381 or (TTY) 492 -7269.

The class schedule below is a tentative schedule; the actual schedule may deviate from this somewhat. Assignment due dates are given.

Week	LECTURE DATE	TEXT SECTIONS	Remarks
1	5–8 Jan	2.1, 2.2	
2	11–15 Jan	2.3, 2.4, 2.6	Labs start
3	18–22 Jan	4.2, 4.3	<b>HW1 Due Friday 22 Jan</b>
4	25–29 Jan	4.4, 4.5, 4.6	
5	1–5 Feb	4.7, 4.9	
6	8–12 Feb	7.2, 7.3, 7.4	<b>HW2 Due Friday 12 Feb</b>
	15–19 Feb	Reading Week	No classes
7	22–26 Feb	7.5, 7.6	Midterm Exam Wed 24 Feb
8	1–5 Mar	7.7, 7.8	
9	8–12 Mar	7.9, 8.2 (review only), 8.3	<b>HW3 Due Friday 12 Mar</b>
10	15–19 Mar	8.4, 8.5	
11	22–26 Mar	10.1, 10.2	<b>HW 4 Due Friday 26 Mar</b>
12	29 Mar–1 Apr	10.3, 10.4	No class Friday 2 Apr
13	6–9 Apr	10.4, 10.5	No class Monday 5 Apr
14	12 Apr	catch-up and review	<b>HW5 Due Monday 12 Apr</b>