

UNIVERSITY OF CALGARY
DEPARTMENT OF MATHEMATICS AND STATISTICS
COURSE OUTLINE

- 1. Course:** AMAT 411 Differential Equations II Applications
L01: MWF 1-1:50 pm, MS 319 T01: T 1-1:50 pm, MS 319
Instructor Elena Braverman
Office MS 444 Tel. No. 403-220-3956
e-mail address maelena@math.ucalgary.ca
Office Hours: M 12-12:45 T 13:30-14:30 WF 15:00-16:00
Course website is on Desire 2 Learn (D2L) Amat 411 at <https://d2l.ucalgary.ca>
Department of Mathematics and Statistics – MS476 Telephone number – 403-220-5210
- 2. Prerequisites:** One of AMAT 311, AMAT 307 and one of MATH 353, AMAT 309, MATH 331, MATH 381
(see Section 3.5C of Faculty of Science www.ucalgary.ca/pubs/calendar/current/sc-3-5.html and Course Descriptions: www.ucalgary.ca/pubs/calendar/current/course-desc-main.html).
- 3. Grading:** The University policy on grading and related matters is described sections F.1 and F.2 of the online University Calendar. In determining the overall grade in the course the following weights will be used:

Midterm tests (2)	50%	(25% each)
Final Examination	50%	(To be scheduled by the Registrar)

**The midterm exams will be during the lecture time on Friday, February 7 and on Friday, March 21.
A passing grade in the final exam is essential to pass the course.**

The conversion between course percentage and letter grade is given below

Letter Grade Conversions	
Letter Grade	% range
A+	>96
A	89–95
A-	85–88
B+	81–84
B	76–80
B-	71–75
C+	66–70
C	61–65
C-	58–60
D+	54–57
D	50–53
F	<50

4. **Missed Components of Term Work:** The regulations of the Faculty of Science pertaining to this matter are found in the Faculty of Science area of the Calendar in Section 3.6. It is the student's responsibility to familiarize himself/herself with these regulations. See also Section E.6 of the University Calendar.
5. **Course Materials:** Course Textbook: W. Kelley, A. Peterson, The Theory of Differential Equations: Classical & Qualitative, Prentice Hall (recommended). You can also use the online book <http://people.cs.uchicago.edu/~lebovitz/odesbook.html>
6. **Examination Policy:** Students are allowed to bring 2 handwritten formula sheets for each midterm and 5 handwritten pages for the final exam (prepared in advance). Students should also read the Calendar, Section G, on Examinations.

7. OTHER IMPORTANT INFORMATION FOR STUDENTS:

- (a) **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 University Calendar under Section K. Student Misconduct to inform yourself of definitions, processes and penalties
- (b) **Assembly Points:** In case of emergency during class time, be sure to FAMILIARIZE YOURSELF with the information on assembly points.
- (c) **Academic Accommodation Policy:** Students with documentable disabilities are referred to the following links:
Calendar entry on students with disabilities and Student Accessibility Services. MSC452 Phone: 220-8237
- (d) **Safewalk:** Campus Security will escort individuals day or night (<http://www.ucalgary.ca/security/safewalk/>). Call 220-5333 for assistance. Use any campus phone, emergency phone or the yellow phones located at most parking lot pay booths.
- (e) **Freedom of Information and Privacy:** This course is conducted in accordance with the Freedom of Information and Protection of Privacy Act (FOIPP). As one consequence, students should identify themselves on all written work by placing their name on the front page and their ID number on each subsequent page. For more information see also <http://www.ucalgary.ca/secretariat/privacy>.
- (f) **Student Union Information:** VP Academic Phone: 220-3911 Email: suvpaca@ucalgary.ca
SU Faculty Rep. Phone: 220-3913 Email: sciencerep@su.ucalgary.ca
Student Ombudsman Phone: 220-6420 Email: ombuds@ucalgary.ca
- (i) **Internet and Electronic Device Information:** You can assume that in all classes that you attend, your cell phone should be turned off unless instructed otherwise. Also, communication with other individuals, via laptop computers, Blackberries or other devices connectable to the Internet is not allowed in class time unless specifically permitted by the instructor. If you violate this policy you may be asked to leave the classroom. Repeated abuse may result in a charge of misconduct.