

**COURSE OUTLINE**

1. **Course:** Math 375 Differential Equations for Engineers and Scientists

1. **Course:** AMAT 307 – Differential Equations for Engineers

| Lecture | Day/Time        | Room    | Instructor          | Office | Phone          | Email                |
|---------|-----------------|---------|---------------------|--------|----------------|----------------------|
| L01     | MWF 9:00-9:50   | EDC 179 | Elena Braverman (C) | MS 444 | (403)220-3956  | maelena@ucalgary.ca  |
| L02     | MWF 10:00-10:50 | EDC 179 | Wenyuan Liao        | MS 530 | (403)220-3946  | wliao@ucalgary.ca    |
| L03     | MWF 15:00-15:50 | ICT 122 | B. Brenken          | MS 440 | (403)220-3948  | bbrenken@ucalgary.ca |
| L04     | MWF 14:00-14:50 | ICT 122 | Elena Braverman     | MS 444 | (403)-220-3956 | maelena@ucalgary.ca  |

Course website on Desire 2 Learn (D2L): MATH 375 at <https://d2l.ucalgary.ca>.

Department of Mathematics and Statistics – MS476 Telephone number – 403-220-5210

2. **Prerequisites:** Applied Mathematics 219 or Mathematics 277; or both Mathematics 267 and 177; or both Mathematics 253 and 114
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:

|                       |  |
|-----------------------|--|
| Assignments [webwork] | 15%                                    |
| Midterm test (#)      | 35% (Monday November 2, 2015, 6-8 pm)  |
| Final Examination     | 50% (To be scheduled by the Registrar) |

A passing grade in the final exam is essential to pass the course as a whole.

Each piece of work (assignments, midterm and final tests) will be assigned a percentage score. The student's average percentage score for the various components listed above will be combined with the indicated weights to produce an overall percentage for the course, which will be used to determine the course letter grade [bearing in mind that an F grade will result if the student does not pass the final exam. The conversion between course percentage and letter grade is given below.

The following is only an example of conversion scale.

| Letter Grade Conversions |           |
|--------------------------|-----------|
| Letter Grade             | % range   |
| A+                       | >96       |
| A                        | 90.5–95.5 |
| A-                       | 85.5–90   |
| B+                       | 80–84.5   |
| B                        | 76–79.5   |
| B-                       | 72–75.5   |
| C+                       | 68–71.5   |
| C                        | 64–67.5   |
| C-                       | 60–63.5   |
| D+                       | 55–59.5   |
| D                        | 50–54.5   |
| 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. In the event of unlikely health problem the following form Physician/Counsellor Statement: [http://www.ucalgary.ca/registrar/forms\\_students](http://www.ucalgary.ca/registrar/forms_students) must be accompanied by either "Application for Deferred Final Examinations" or an "Application for Deferment of Term Work" in order to gain approval for such request. For all other missed term work such as quizzes, assignments or midterms the Physician/Counsellor form must be handed directly to your instructor of the course for approval.
5. There will be one out-of-class common midterm examination, which has been scheduled by the Faculty of Engineering for Monday, November 2. It will be 1.5 hours in duration, and will occur between 6 and 8 pm.

REGULARLY SCHEDULED CLASSES HAVE PRECEDENCE OVER ANY OUT-OF-CLASS-TIME-ACTIVITY. If you have a clash with this out-of-class-time-activity, please inform your instructor as soon as possible so that alternative arrangements may be made for you.

6. **Course Materials:** William E. Boyce, Richard C. DiPrima, Elementary Differential Equations, Wiley (recommended), any edition starting with the 8<sup>th</sup> Edition – sold in the University Bookstore. It can be also be bought online at <http://ca.wiley.com/WileyCDA/WileyTitle/productCd-EHEP002451.html>

If your addition has no chapter on partial differential equations, refer to Chapters 10 and 11 in <http://bcs.wiley.com/he-bcs/Books?action=resource&bcsId=9432&itemId=1118531779&resourceId=37931>

**Online Course Components: all the assignments will be in free access webwork system**

<https://webwork.ucalgary.ca/>

**go to** Fall 2015, then MATH 375 L0x and sign in with your student ID, where L0x is your section number (L01-L04).

7. **Examination Policy:** No books, formula sheets or calculators are allowed on the midterm test and on the final exam. Students should also read the Calendar, Section G, on Examinations.

#### 8. 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  
Students needing an Accommodation in relation to their coursework or to fulfil requirements for a graduate degree, based on a Protected Ground other than Disability, should communicate this need, preferably in writing, to the Associate Head of Mathematics and Statistics, Jim Stallard by email [jbstall@ucalgary.ca](mailto:jbstall@ucalgary.ca) or phone 403-220-5203

(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: 403 220-3911 Email: [suvpaca@ucalgary.ca](mailto:suvpaca@ucalgary.ca) SU Faculty Rep.  
Phone: 403 220-3913 Email: [science1@su.ucalgary.ca](mailto:science1@su.ucalgary.ca), [science2@su.ucalgary.ca](mailto:science2@su.ucalgary.ca) and [science3@su.ucalgary.ca](mailto:science3@su.ucalgary.ca);  
Student Ombuds Office: 403 220-6420 Email: [ombuds@ucalgary.ca](mailto:ombuds@ucalgary.ca); <http://ucalgary.ca/provost/students/ombuds>
- (g) **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.
- (h) At the University of Calgary, feedback provided by students through the Universal Student Ratings of Instruction (USRI) survey provides valuable information to help with evaluating instruction, enhancing learning and teaching, and selecting courses ([www.ucalgary.ca/usri](http://www.ucalgary.ca/usri)). Your responses make a difference - please participate in USRI Surveys.