DEPARTMENT OF MATHEMATICS AND STATISTICS
COURSE OUTLINE

Course: Math 375 – Differential Equations for Engineers and Scientists   **Dates**: September 11 – December 8, 2017

Lec	Day	TIme	Location	Instructor	Office	Phone	Email	Office Hours
L01	MWF	10:00-10:50	EDC 179	Elena Braverman	MS 444	220-3956	maelena@ucalgary.ca	M 11:00-11:40, W 8:30-9:30, F 2-3PM
L02	MWF	10:00-10:50	ENG 60	Mohammed Aiffa	MS 432	220-6313	aiffam@ucalgary.ca	MWF 11:00-13:00
L03	MWF	14:00- 14:50	CHC 105	Larry Bates	MS 428	220-3942	bates@ucalgary.ca	TBA
L04	MWF	14:00-14:50	ENG 60	Wenyuan Liao	MS 530	220-3946	wliao@ucalgary.ca	TBA

Desire 2 Learn (D2L) course name: Math 375 L01 –L04 (Fall 2017) – Differential Equations for Engineers and Scientists
Department of Mathematics and Statistics – MS476 Telephone number – 403-220-5210

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

2. **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] (6)	18%	
Quizzes (1)	3%	(Oct. 16-20 in Tutorial)
Midterm test (1)	29%	(Nov. 2nd 18:00-19:30)
Final Examination	50%	(To be scheduled by the Registrar)

A passing grade in the final exam (50% or higher) is essential if the student is to pass the course as a whole (grade of C- or better).

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.

Letter Grade Conversions	
Letter Grade	% range
A+	96-100
A	91–95
A-	86–90
B+	82–85
B	77–81
B-	72–76
C+	68–71
C	63–67
C-	58–62
D+	55–57
D	50–54
F	<50

3. **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 unlikely event of a health problem, the [Physician/Counsellor Statement Form](#) 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 course instructor for approval.

4. **Scheduled out-of-class activities**:
Midterm — Thursday, November 2nd, 6:00-8:00PM: ENA 103, ENA 201, ENC 70, ST 140 and ST 148
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.

5. **Course Materials** :
   - *Elementary Differential Equations and Boundary Value Problems,* By Boyce, Diprima and Meade, Wiley 11th edition (recommended) – sold in the University Bookstore in two forms: The Binder Ready version packaged with the eBook for $136.95, or else just the straight eBook without the printed text for $96. Please note that the eBook is a permanent download. The eBook can be purchased from the bookstore's website (www.calgarybookstore.ca), right in the bookstore itself, or from the Wiley website (http://ca.wiley.com/WileyCDA/WileyTitle/productCd-1119381649.html). Older editions of the text are also acceptable. If your edition 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 2017, then MATH 375. **Unless otherwise noted by the instructor, all D2L/course webpage materials including lecture notes, lab worksheets and solutions, will be removed from the course site on January 10, 2018**

6. **Examination Policy**: The use of calculators and/or portable computing devices will not be allowed on examinations. 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 an 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. Students needing an Accommodation in relation to their coursework or to fulfill 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 at jbstall@ucalgary.ca or by phone at 403-220-3953.

   (d) Safewalk: Campus Security will escort individuals day or night (http://www.ucalgary.ca/security/safewalk/). Call 403-220-5333 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@ucagary.ca.
   SU Faculty Rep. Phone: 220-3913   Email: sciencerep@su.ucalgary.ca; Student Ombudsman

   (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). Your responses make a difference - please participate in USRI Surveys.