



# UNIVERSITY OF CALGARY

## DEPARTMENT OF MATHEMATICS AND STATISTICS

### COURSE OUTLINE

1. **Course:** Math 375 – Differential Equations for Engineers and Scientists **Dates:** May 9, 2016 – June 30, 2016

Lec	Day	Time	Location	Instructor	Office	Phone	Email	Office Hours
01	MW F	18:00- 19:50	ICT 102	Mohammed Aiffa	MS 432	403-220- 6313	aiffam@ucalgary.ca	MW 16:30- 17:30

Desire 2 Learn (D2L) course name: MATH 375 L01 - (Spring 2016)- Differential Equations for Engineers and Scientists  
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

**Antirequisites:** Credit for more than one of Mathematics 375 or Applied Mathematics 307 or 311 will not be allowed

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 (04)	12%
Quizzes (03)	12% (In lab)
Midterm Test	30% ( Out of Class: Thursday June 16. 2016 18:00-20:00)
Final Examination	46% (To be scheduled by the Registrar)

The various components above will be assigned a percentage score and will be combined with the indicated weights to produce an overall percentage in the course. The conversion of the percentage grade to a letter grade is done according to the table below. A grade of 40% or higher in the final examination is essential for an overall grade of **C**; or better. If the student's score in the final exam is less than 40%, a **D** grade or lower will result.

%	96-100	91-95	86-90	82-85	77-81	72-76	68-71	63-67	58-62	53-57	0-52
Letter Grade	A+	A	A-	B+	B	B-	C+	C	C-	D	F

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 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.

5. **Scheduled out-of-class activities:** Thursday June 16. 2016 18:00-20:00 Location: MFH 160, MFH 162

6. **Course Materials:**

**Textbook:** *W.E. Boyce, R.C. DiPrima, Elementary Differential Equations, Wiley (recommended). Any edition starting with the 8th is fine.* The text is sold in the University Bookstore, and online <http://ca.wiley.com/WileyCDA/WileyTitle/productCd-EHEP002451.html>. 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:** There will be **three** online Webwork assignments. **Webwork** is an open-source online homework system. It can be accessed at [webwork.ucalgary.ca/webwork2/](http://webwork.ucalgary.ca/webwork2/). Each student who is registered in the course will have an account and will be able to do the assignments from any electronic device with Internet access. All three assignments will count toward your overall grade.

**7. Examination Policy:** Students should 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 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](mailto: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@ucalgary.ca](mailto:suvpaca@ucalgary.ca).  
SU Faculty Rep. Phone: 220-3913 Email: [sciencerep@su.ucalgary.ca](mailto: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](http://www.ucalgary.ca/usri)). Your responses make a difference - please participate in USRI Surveys.