



UNIVERSITY OF  
CALGARY

DEPARTMENT OF MATHEMATICS AND STATISTICS

COURSE OUTLINE

**Course:** Math 277 – Multivariable Calculus for Engineers and Scientists

**Dates:** January 09, 2017– April 12, 2017

Lec	Day	Time	Location	Instructor	Office	Phone	Email	Office Hours
L01	MWF	08:00-08:50	SB 103	Yousry Elsabrouty	MS 418	220 - 2255	<a href="mailto:yelsabro@ucalgary.ca">yelsabro@ucalgary.ca</a>	T: 01:30 – 02:30
L02	MWF	01:00-01:50	ENC 60	Ryan Hamilton	MS 574	220 - 3950	<a href="mailto:rhamilt@ucalgary.ca">rhamilt@ucalgary.ca</a>	M: 10:00-11:00 R: 12:30-2:00
L03	TR	03:30- 04:45	ICT 102	Yousry Elsabrouty	MS 418	220 - 2255	<a href="mailto:yelsabro@ucalgary.ca">yelsabro@ucalgary.ca</a>	T : 01:30 – 02:30
L04	TR	12:30-01:45	KNB 132	Ebrahim Ghaderpour	MS 326	220 - 7983	<a href="mailto:ebrahim.ghaderpour.ucalgary.ca">ebrahim.ghaderpour.ucalgary.ca</a>	TR: 14:00-15:00

Desire 2 Learn (D2L) course name: Math 277 All Lectures – Winter 2017 – Multivariable Calculus for Engineers and Scientists

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

**Prerequisites:** Mathematics 275 or Applied Mathematics 217. (see Section 3.5C of Faculty of Science

[www.ucalgary.ca/pubs/calendar/current/sc-3-5.html](http://www.ucalgary.ca/pubs/calendar/current/sc-3-5.html) and Course Descriptions

[www.ucalgary.ca/pubs/calendar/current/course-desc-main.html](http://www.ucalgary.ca/pubs/calendar/current/course-desc-main.html))

**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 (4)	20% (Online using Mathxl)
Midterm test (1)	30% (Out of Class: Friday March 10 <sup>th</sup> 06:00-07:30 PM)
Final Examination	50% (To be scheduled by the Registrar)

Each piece of work (assignment, midterm test or final examination) submitted by the student will be assigned a letter grade.

The final grade for the course will be a weighted grade point average of the individual letter grades, using the weighting factors in the table above grade [bearing in mind that an F grade will result if the student does not pass the final exam].

**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 get 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.

**Scheduled out-of-class activities:** Dates and times of approved class activities held outside of class hours.

Midterm — Friday March 10<sup>th</sup>, 2017 06:00-07:30 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.

**Course Materials:** Calculus, A Complete Course, Eighth Edition, by R.A. Adams and Christopher Essex,  
Pearson Education Canada – sold in the University Bookstore.

Online Course Component: Online homework through Mathxl is available on any computer that has internet access to those who opt to purchase the above textbook package. Those who do not purchase the textbook will be given access to just the homework component through some select computers labs on campus. Either way, you are responsible for completing the assigned homework in a timely fashion. The choice is up to you: If you prefer the flexibility of working on your homework from anywhere and access to the eBook. The homework is a critical component of the course to help prepare you for the exams as well as help you self-assess your progress in the course. **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 May 10, 2017**

**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

#### **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) **Safe walk:** 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.