



UNIVERSITY OF CALGARY

UNIVERSITY OF CALGARY DEPARTMENT OF GEOSCIENCE COURSE OUTLINE

1. **Course:** Geology 471; Geology, Engineering and the Environment

Lecture/Time/Day/Loc:	L01	09:30 – 10:45	Tu, Th	AD 140
Lab/Time/Day/Loc:	B01	11:00 –13:50	Mo	EEEL 119
	B02	11:00 –13:50	Mo	EEEL 123
	B03	14:00 –16:50	Mo	EEEL 119
	B04	14:00 –16:50	Mo	EEEL 123

Instructor: Annie Quinney; **Office:** ES 514; **Email:** aequinne@ucalgary.ca

Office Hours: By appointment

The course website can be found on the Desire2Learn website (d2l.ucalgary.ca).

Geoscience Department ES118; (403) 220-5841; geoscience@ucalgary.ca

2. **PREREQUISITES:** None. This course is restricted to engineering students.

(see <http://www.ucalgary.ca/pubs/calendar/current/geology.html#9731>)

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:

Laboratory & Exercise Assignments	10%	
Lecture Examination 1	20%	(75 minutes, October 20 , in lecture class)
Midterm Lab Examination	20%	(2.75 hours, October 31 , in scheduled lab period)
Lecture Examination 2	15%	(75 minutes, November 24 , in lecture class)
Final Lab Examination	20%	(2.75 hours, December 5 , in scheduled lab period)
Lecture Examination 3	10%	(75 minutes, December 8 , in lecture class)
Group Presentation/ Reflection	5%	(5 minutes + 10 minutes discussion, in lecture class)

Labs are due at the end of the lab period.

Each piece of work (assignment, laboratory report, midterm test or final examination) submitted by the student 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.

Letter Grade Percent Letter Grade Percent

A+	95-100	C+	66-69
A	90-94	C	62-65
A-	85-89	C-	58-61
B+	80-84	D+	54-57
B	75-79	D	50-53
B-	70-74	F	0-50

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. **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: Recommended Textbook:** Fletcher, C., Gibson, G., and Ansdell, K. 2014. Introduction to Physical Geology: the science of Earth (Canadian Edition), Wiley. –or- Marshak, S., 2013. *Essentials of Geology*, 4th edition, W.W. Norton Press.

The course D2L site contains handouts for labs, lectures, as well as other resource material that you might find useful.

Other recommended textbooks:

Kehew, A.E., *Geology for Engineers and Environmental Scientists*, 2nd or 3rd editions, Prentice Hall.
Waltham, T., *Foundations of Engineering Geology*, 2nd or 3rd editions, Taylor and Francis.
Valelejo, L. and Ferrer, M., *Geological Engineering*, 2011. CRC Press

7. **Examination Policy:** All examinations are closed book. There will not be a final exam scheduled by the registrar. Students should also read the Calendar, [Section G](#), on Examinations.
8. **Approved Mandatory and Optional Course Supplemental Fees:** There are no additional fees in this course.
9. **Writing across the curriculum statement:** In this course, the quality of the student's writing in laboratory reports will be a factor in the evaluation of those reports. See also [Section E.2](#) of the University Calendar.

11. **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](#).

(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 (FOIPPA). 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](#)

(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.

Department Approval: ORIGINAL SIGNED

Date: August 24, 2016

Associate Dean's Approval for
Alternate final examination arrangements: ORIGINAL SIGNED

Date: August 24, 2016