



# UNIVERSITY OF CALGARY

## DEPARTMENT OF GEOSCIENCE COURSE OUTLINE FALL 2017

**1. Course:** GLGY 313, Mineralogy

Lecture Sections:

L01: MoWeFr, 14:00-14:50, ES 162

For a listing of all lab sections corresponding with this course, please see the following link:

[http://geoscience.ucalgary.ca/geoscience\\_info/courses/f17](http://geoscience.ucalgary.ca/geoscience_info/courses/f17)

Lecture Instructor Contact Information		
Instructor Name:	Shannon Acton	Office Hours by Appointment
Office Location:	ES 130	
Office Phone:	403-220-6679	
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Desire 2 Learn (D2L) course name GLGY 313: <https://d2l.ucalgary.ca>

Geoscience Department, ES 118, 403-220-5841, [geoscience@ucalgary.ca](mailto:geoscience@ucalgary.ca)

**2. Prerequisites:** Geology 201; Geology 202 or 203; Chemistry 201 or 211; Mathematics 249 or 251 or 265 or 275 or Applied Mathematics 217; Physics 211 or 221. Refer to Faculty of Science Regulations Section 3.5.C in the University Course Calendar for requirements ([www.ucalgary.ca/pubs/calendar/current/sc-3-5.html](http://www.ucalgary.ca/pubs/calendar/current/sc-3-5.html)).

**Antirequisites:** Credit for both Geology 313 and 423 will not be allowed.

**3. Grading:** The University policy on grading and related matters is described in 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:

Exams and Assignments	Weight	Date
Lab Exercises and Assignments	25 %	September 18 – November 30, 2017
Theory Midterm Exam	15 %	October 20, 2017
Lab Midterm Exam	15 %	Week of October 23-27, 2017 during Lab Period
Lab Final Exam	20 %	Week of December 4-8, 2017 during Lab Period
Theory Final Exam	25 %	Scheduled by the registrar

The theory exams may comprise of multiple-choice questions, short-answer and/or long-answer format (including illustrations). Bring your calculator to all theory exams.

Each piece of work (assignment, laboratory reports, theory and lab exams) 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. The conversion between course percentage and letter grade is given below.

Letter Grade	Percent	Letter Grade	Percent
A+	95-100	C+	64-67
A	89-94	C	60-63
A-	84-88	C-	56-59
B+	78-83	D+	50-55
B	73-77	D	46-49
B-	68-72	F	0-45

**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. Course Materials:

Required reference book:

- Nesse, W. D. (2011) Introduction to Mineralogy (2<sup>nd</sup> edition). Oxford University Press, New York, NY.

Recommended reference books (available in the Gallagher Library):

- Nesse, W.D. (2003) Introduction to Optical Mineralogy (3<sup>rd</sup> edition). Oxford University Press, New York, NY.
- Deer, W.A., Howie, R.A., and Zussman, J. (1992) An introduction to the rock-forming minerals (2<sup>nd</sup> edition). John Wiley & Sons, Inc., New York, NY.
- Klein, C. and Dutrow, B. (2007) Manual of Mineral Science (23<sup>rd</sup> edition). John Wiley & Sons Inc., New York, NY.
- Klein, C. and Hurlbut, C.S. (1998) Manual of Mineralogy (21<sup>st</sup> edition). John Wiley & Sons, Inc., New York, NY.
- MacKenzie, W. S. and Guilford, C. (1980) Atlas of rock-forming minerals in thin section.
- MacKenzie, W. S.; Donaldson, C. H.; Guilford, C. (1982) Atlas of igneous rocks and their textures.
- MacKenzie, W. S. and Adams, A. E. (1994) A colour atlas of rocks and minerals in thin section.

The course D2L site contains all of the handouts for labs, lectures, and assignments, as well as other resource material. Students are advised that reading the course D2L page is not a substitute for attendance at lectures.

6. **Examination Policy:** All tests are closed book. No portable computing machines will be allowed. Students should also read the Calendar, [Section G](#), on Examinations.

7. **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.

## 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: Students with Disabilities: <http://www.ucalgary.ca/pubs/calendar/current/b-1.html> and Student Accessibility Services: <http://www.ucalgary.ca/access/>
- (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: 403 220-3911 Email: [suypaca@ucalgary.ca](mailto:suypaca@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) **U.S.R.I.:** 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.