

UNIVERSITY OF CALGARY  
DEPARTMENT OF GEOSCIENCE  
COURSE OUTLINE

1. **Course:** GLGY 423, Mineralogy

Lecture/Time/Day/Loc:	L01	13:00-13:50	Mo We Fr	ES 162
Lab/Time/Day/Loc:	B01	08:00-10:50	Tu	EEEL 147
	B02	11:00-13:50	Tu	EEEL 147
	B03	14:00-16:50	Tu	EEEL 147
	B04	08:00-10:50	Th	EEEL 147
	B05	11:00-13:50	Th	EEEL 147
	B06	14:00-16:50	Th	EEEL 147
	B07	17:00-19:50	Th	EEEL 147

**Instructor:** Sytle Antao  
Office: ES 532  
Email: [antao@ucalgary.ca](mailto:antao@ucalgary.ca)  
Office Hours: M W 2:00-3:00 pm

The course website can be found on blackboard (<http://blackboard.ucalgary.ca>).  
**Geoscience Department Office:** ES 118, (403) 220-5841, [geoscience@ucalgary.ca](mailto:geoscience@ucalgary.ca)

2. **Prerequisites:** Chemistry 201 or 211, Chemistry 203 or 213, Geology 311, 323 or 329 or 429, Mathematics 211 or 221, 253 or 263 or 283 or Applied Mathematics 219, Physics 223 (see <http://www.ucalgary.ca/pubs/calendar/current/geology.html#9724>).
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:

Lab. Assignments (including wooden models)	10%
Theory Midterm	15% (October 9, 2013)
Lab. Midterm	15% (October 22 and 24, 2013)
Lab. Final	20% (December 3 and 5, 2013)
Theory Final	40% (to be scheduled by the registrar)

The three theory tests may comprise of multiple-choice questions, short-answer and long-answer format (including illustrations). Bring your calculator to all Theory Tests.

Each piece of work (assignment, laboratory reports, theory tests, and lab. examinations) 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	F	0-49
B-	68-72		

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. **Scheduled out-of-class activities:** N/A

## 6. Course Materials:

Required reference book:

Nesse, W.D. (1999) Introduction to Mineralogy. 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 and Sons, Inc., New York, NY.

Klein, C. and Dutrow, B. (2007) Manual of Mineral Science (23<sup>rd</sup> edition). John Wiley and Sons, Inc., New York, NY.

Klein, C. and Hurlbut, C.S. (1998) Manual of Mineralogy (revised 21<sup>st</sup> edition). John Wiley and Sons, Inc., New York, NY.

The course blackboard site contains all of the handouts for labs, lectures, and assignments, as well as other resource material that you might find useful. Students are advised that reading the course blackboard page is not a substitute for attendance at lectures. The lectures provide an interactive environment that embellishes on, and provides a context for, the material in the textbook, whereas blackboard is a live site that allows for tailoring and updating of the course material during the term. A few short movies on Mineralogy shown in class will not be posted on blackboard because of copyright issues.

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

8. **Approved Mandatory and Optional Course Supplemental Fees:** N/A

9. **Writing across the curriculum statement:** N/A

10. **Human studies statement:** N/A

## 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 (FOI/PP). 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: [suypaca@ucalgary.ca](mailto:suypaca@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.

The following signature lines should be added to the course outline as appropriate

# Original Signed

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