



UNIVERSITY OF CALGARY
FACULTY OF SCIENCE
DEPARTMENT OF GEOSCIENCE
COURSE OUTLINE
WINTER 2016

1. **Course:** Geology 435, Field Methods

Lecture Sections:

B01: April 29, 2016 - May 11, 2016, Location: Southeastern B.C., Canada

Instructor, Dr. Jennifer Cuthbertson, Office ES 520, Tel. No. 403-220-4709, e-mail address, cuthberj@ucalgary.ca.

Office Hours: TBA

Geoscience Department ES 118, 403-220-5841, geoscience.ucalgary.ca, geoscience@ucalgary.ca

2. **Prerequisites:** Geology 323, 337 and 381; one of Geology 311 or 333; one of Geology 341 or 343 and admission to the Geology or Applied and Environmental Geology programs. See section 3.5.C in the Faculty of Science section of the online Calendar (www.ucalgary.ca/pubs/calendar/current/sc-3-5.html)

Antirequisite: Credit for both Geology 435 and either Geology 437 or 439 will not be allowed.

Note: Enrolment in Geology 435 is restricted to Geology and Applied and Environmental Geology majors. Registration for non-majors will require consent of the Department. This course occurs in rugged field conditions and varying weather, for which participants must be prepared and equipped. It may occur outside Canada. Students will be required to cover food and accommodation costs, and a supplemental fee will be assessed.

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:

GLGY 435 Section B01 2016 Things to Hand In (with % of grade)

Eager Hill Mapping Project

field copy of map (0%)

good copy of map with legend (25%)

2-page double-spaced report describing the geological history and structure of the area (5%)

cross-section (5%)

stereonet (5%)

Sullivan Mine Tour

2-page double-spaced report on the geology of the Sullivan Mine (5%)

Woodbury Logging Road Mapping Project

field copy of map (0%)

good copy of map with legend (20%)

Ainsworth Hot Springs and Caves

2-page double-spaced report on the geological setting of the hot springs (5%)

Kootenay Point Mapping Project

field copy of map (0%)

good copy of map with legend (15%)

Stratigraphic Section at Coleman

good copy of stratigraphic section with legend (15%)

MARK DISTRIBUTION: A. Grading Scheme

Letter Grade	Percent
A+	94-100
A	88-94
A-	83-88
B+	78-83
B	73-78
B-	69-73
C+	65-69
C	61-65
C-	56-61
D+	53-56
D	50-53
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. **Course Materials:**
TEXTBOOK: Recommended: Geological Field Techniques by Angela L. Coe, Wiley-Blackwell 2010
6. **Examination Policy:** No electronic or written aids (eg. cell phones, tablets, computers, PDAs, notes, textbooks) will be allowed during writing of any exams. Non-programmable calculators will be permitted to answer quantitative questions on exams, if applicable, and permission to do this will be clearly indicated on the examination paper. 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) **Misconduct:** 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) **Student Accommodations:** Students needing an Accommodation because of a Disability or medical condition should contact Student Accessibility Services in accordance with the Procedure for Accommodations for Students with Disabilities available at http://www.ucalgary.ca/policies/files/policies/procedure-for-accommodations-for-students-with-disabilities_0.pdf. Students needing an Accommodation in relation to their coursework or to fulfil 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 Geoscience, Dr. E.S. Krebs by email krebs@ucalgary.ca or phone 403-220-5850.
 - (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 (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: 403 220-3911 Email: suvpaca@ucalgary.ca
SU Faculty Rep. Phone: 403 220-3913 Email: science1@su.ucalgary.ca, science2@su.ucalgary.ca and
science3@su.ucalgary.ca;
Student Ombuds Office: 403-220-6420 Email: 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). Your responses make a difference – please participate in USRI Surveys.

Department Approval: ORIGINAL SIGNED

Date: April 21, 2016

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

Date: April 22, 2016

GLGY 435 Section B01 Schedule April-May 2016

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
					29 8:30am Safety briefing. Load up vans. Lunch at the Frank Slide. Drive to Cranbrook. Check in to motel, buy groceries. (5 hrs) <i>Cranbrook</i>	30 Eager Hill Mapping <i>Cranbrook</i>
1 Eager Hill Mapping <i>Cranbrook</i>	2 Eager Hill Mapping <i>Cranbrook</i>	3 Eager Hill Mapping and office work <i>Cranbrook</i>	4 Sullivan Mine Tour at Kimberley, drive to Balfour on Kootenay Lake (3.5 hrs) <i>Balfour</i>	5 Mapping project at the Woodbury logging road, north of Balfour <i>Balfour</i>	6 Morning Woodbury logging road, afternoon at Ainsworth Hot Springs and Caves <i>Balfour</i>	7 Kootenay Point mapping project <i>Balfour</i>
8 Drive to Creston, lunch, drive to Coleman, office work (5 hrs) <i>Coleman</i>	9 Stratigraphic section near Coleman. Drive back to Calgary (3 hrs)	10 Office work day at University	11 Office work day at University			