



UNIVERSITY OF CALGARY

DEPARTMENT OF GEOSCIENCE COURSE OUTLINE FALL 2015

1. **Course:** GLGY 337, Introduction to Geologic Field Methods

Lecture Sections:

- B01: August 7-22; Location: Drumheller (AB), Canmore (AB), Trail (BC)
B02: August 7-22; Location: Drumheller (AB), Canmore (AB), Trail (BC)
B03: August 12-27; Location: Drumheller (AB), Canmore (AB), Trail (BC)
B04: August 12-27; Location: Drumheller (AB), Canmore (AB), Trail (BC)
B05: August 17-September 1; Location: Drumheller (AB), Canmore (AB), Trail (BC)
B06: August 17-September 1; Location: Drumheller (AB), Canmore (AB), Trail (BC)

- Instructors: B01 Dr. A. Dutchak, ES 240, 403-210-6117, alexander.dutchak@ucalgary.ca
Dr. A. Sohrabi, ES 150, 403-220-6446, asohrabi@ucalgary.ca,
Dr. J. Cuthbertson, ES 520, 403-220-3261, cuthberj@ucalgary.ca
B02 Dr. A. Quinney, aequinne@gmail.com
Dr. A. Hildebrand, ES 760A, 403-220-2291, ahildebr@ucalgary.ca,
Stefan Knopp, sknopp@ucalgary.ca
B03 Dr. A. Quinney, aequinne@gmail.com
Dr. A. Hildebrand, ES 760A, 403-220-2291, ahildebr@ucalgary.ca,
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B04 Dr. A. Dutchak, ES 240, 403-210-6117, alexander.dutchak@ucalgary.ca
Dr. A. Sohrabi, ES 150, 403-220-6446, asohrabi@ucalgary.ca
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B06 Dr. A. Dutchak, ES 240, 403-210-6117, alexander.dutchak@ucalgary.ca
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*For each section, one day in Drumheller will be instructed by Dr. D Zelenitski dkzeleni@ucalgary.ca

Desire 2 Learn (D2L) course name: GLGY 337

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

2. **Prerequisites:** Geology 333 or 311; Geology 343 or 341; and Geology 381 and admission to programs in Geology or Geophysics or Applied and Environmental Geology or Environmental Science (Geology concentration) or Natural Sciences (Geoscience concentration). See also Geology [Course Descriptions](#) of the University Calendar.

Notes: Enrolment in [Geology 337](#) is limited to students who started their studies prior to Fall 2014. Only Majors in a degree program requiring this course will be admitted prior to the Open Studies Registration date as specified on the Enrolment Services website (<http://www.ucalgary.ca/registrar/>). This course occurs in rugged field conditions and varying weather, for which participants must be prepared and equipped. Students will be required to cover food and accommodation costs, and a supplemental fee will be assessed to cover the costs of equipment and other resources.

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:

Drumheller Exercises will be conducted at field sites within the Red Deer River Valley, AB.

What do I need to hand in?	How much of the course grade is it worth?
Geologic map of K/Q contact	15%
Cross-section of K/Q contact	5%
Stratigraphic Section	7.5%

Canmore Exercises will be conducted at field sites near the hamlet of Exshaw, AB.

What do I need to hand in?	How much of the course grade is it worth?
Highway 1A stratigraphic section	7.5%
Geologic map	15%
Cross-section	5%

Trail Exercises will be conducted at two field sites near the Columbia River, BC.

What do I need to hand in?	How much of the course grade is it worth?
Geologic map of Columbia river site (group)	12.5%
Cross-section of Columbia river site	5%
Geologic map of power line site	12.5%
Geologic report	5%

Field Notebook and Performance – quality of your field notes, as well as attitude, participation, leadership and maturity.

What do I need to hand in?	How much of the course grade is it worth?
Field notebook	10%

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:**
Required Textbook
"Geological Field Techniques" by Angela L. Coe, Wiley-Blackwell 2010. Available at the U of C bookstore for \$83.95. Soft-cover.
6. **Approved Mandatory and Optional Course Supplemental Fees:** Accommodation costs for this course will be paid through the Group Studies Program. Students must also purchase a field school kit containing a compass, safety glasses, whistle and field notebook. For more information, see the Department of Geoscience field school [webpage](#). Students are responsible for their own food costs.
7. **Writing across the curriculum statement:** In this course, the quality of the student's writing in the geologic report and in legend descriptions 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) **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. Krebes by email krebes@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 (FOIP). 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 July 10, 2015

Associate Dean's Approval for

Alternate final examination arrangements: ORIGINAL SIGNED

Date: July 15, 2015

August 15 - September 15

August 15							September 15						
Su	Mo	Tu	We	Th	Fr	Sa	Su	Mo	Tu	We	Th	Fr	Sa
						1			1	2	3	4	5
2	3	4	5	6	7	8	6	7	8	9	10	11	12
9	10	11	12	13	14	15	13	14	15	16	17	18	19
16	17	18	19	20	21	22	20	21	22	23	24	25	26
23	24	25	26	27	28	29	27	28	29	30			
30	31												

	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
	Aug-2	3	4	5	6	7	8
2 - 7/8						Tutorial/Drum S1&2	Drum - S1&2
	9	10	11	12	13	14	15
9 - 14/8	Drum - S 1&2	Drum - S 1&2	Drum - S 1&2	Travel to Exshaw S1&2 Tutorial/Drum S3&4	Drum - S3&4 Exshaw - S1&2	Drum - S3&4 Exshaw - S1&2	Drum - S3&4 Exshaw - S1&2
	16	17	18	19	20	21	22
16 - 21/8	Drum - sections 3&4 Exshaw - section 1&2	Travel to Exshaw S3&4 Travel to Trail - S1&2 Tutorial/Drum - S5&6	Drum - S 5&6 Exshaw - S 3&4 Trail - S 1&2	Drum - S 5&6 Exshaw - S 3&4 Trail - S 1&2	Drum - S 5&6 Exshaw - S 3&4 Trail - S 1&2	Drum - S 5&6 Exshaw - S 3&4 Trail - S 1&2	Return to Calgary - S1 Travel to Exshaw - S5&6 Travel to Trail - S3&4
	23	24	25	26	27	28	29
23 - 28/8	Exshaw - S 5&6 Trail - S 3&4	Exshaw - S 5&6 Sections 1&2 hand in Trail - S 3&4	Exshaw - S 5&6 Trail - S 3&4	Exshaw - S 5&6 Trail - S 3&4	Return to Calgary - S3 Travel to Trail - S 5&6	Trail - S 5&6	Sections 3&4 hand in Trail - S 5&6
	30	31	Sep-1	2	3	4	5
30/8 - 4/9	Sections 3&4 hand-in Trail - S 5&6	Trail - S 5&6	Return Calgary - S5&6		Sections 5&6 hand-in		
	6	7	8	9	10	11	12
6 - 11/9		8:30am 9:00am University closed	8:30am 9:00am First day of classes				