

UNIVERSITY OF CALGARY
DEPARTMENT OF GEOSCIENCE
COURSE OUTLINE

1. Course: GEOLOGY 435 – Field Methods II

Lecture Section: B05 Apr 30, 2014 – May 12, 2014 Grand Forks BC WINTER 2014

Instructor(s): Dr. D. Pattison ES 154 220-3263 pattison@ucalgary.ca

Geoscience Department ES 118; (403) 220-5841; geoscience.ucalgary.ca

2. PREREQUISITE(S): Geology 311, 323, 337, 341 and 381

ANTIREQUISITE(S): Credit for both Geology 435 and either Geology 437 or 439 will not be allowed.

See section 3.5.C in the Faculty of Science section of the online Calendar (<http://www.ucalgary.ca/pubs/calendar/current/sc-3-5.html>)

3. GRADING: The University policy on grading and related matters is described in “Academic Regulations, sections F.1 and F.2” of the online University Calendar (<http://www.ucalgary.ca/pubs/calendar/current/f-1.html> and <http://www.ucalgary.ca/pubs/calendar/current/f-2.html>) In determining the overall grade in the course the following weights will be used:

Field trip exercise (individual)	10%
1:1,000 map (group)	20%
1:1,000 cross-section and summary chart (individual)	10%
1:5,000 map and field slips (group)	25%
1:5,000 cross-section, structural analysis and synthesis (individual)	15%
Interview, field notebooks, overall field performance (individual)	20%

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: <http://www.ucalgary.ca/pubs/calendar/current/sc-3-6.html>. It is the student's responsibility to familiarize himself/herself with these regulations. See also <http://www.ucalgary.ca/pubs/calendar/current/e-3.html>.

5. Dates and times of class exercises held outside of class hours. N/A

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. **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: <http://www.ucalgary.ca/pubs/calendar/current/g.html>.

7. 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 <http://www.ucalgary.ca/pubs/calendar/current/e-2.html>.

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 K. Student Misconduct (<http://www.ucalgary.ca/pubs/calendar/current/k.html>) 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 at <http://www.ucalgary.ca/emergencyplan/assemblypoints>.**
- (c) **ACADEMIC ACCOMMODATION POLICY.** Students with documentable disabilities are referred to the following links:
Calendar entry on students with disabilities: <http://www.ucalgary.ca/pubs/calendar/current/b-1.html>
Student Accessibility Services: 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 (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:** 220-3911 **Email:** suypaca@ucalgary.ca.
SU Faculty Rep. **Phone:** 220-3913 **Email:** sciencerep@su.ucalgary.ca Website <http://www.su.ucalgary.ca/home/contact.html>.
Student Ombudsman: www.ucalgary.ca/provost/students/ombuds; ombuds@ucalgary.ca 220-6420
- (g) **INTERNET and ELECTRONIC COMMUNICATION DEVICE Information.** You can assume that in all classes that you attend, **your cell phone should be turned off.** 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.

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DEPARTMENT OF GEOSCIENCE
COURSE OUTLINE

GEOLOGY 435
FIELD METHODS II

TERM: Winter 2014

PREREQUISITE(S): Geology 311, 323, 337, 341 and 381

LECTURER(S): Dr. D. Pattison ES 154 220-3263 pattison@ucalgary.ca

LECTURE : B05

MARK DISTRIBUTION: A. Composition of Final Grade

Field trip exercise (individual)	10%
1:1,000 map (group)	20%
1:1,000 cross-section and summary chart (individual)	10%
1:5,000 map and field slips (group)	25%
Interview, field notebooks, overall field performance (individual)	20%

B. Final Exam

There will be no final examination.

C. Components of Course for Which a Passing Grade is Essential

Students must achieve a passing grade (minimum of D) on both the lecture portion of the course (average of the midterm and final exams) and the laboratory portion of the course to qualify for a passing grade overall.

D. Grading Scheme

A+	95 – 100%
A	86 – 94%
A-	80 – 85%
B+	77 – 79%
B	73 – 76%
B-	70 – 72%
C+	67 – 69%
C	63 – 66%
C-	60 – 62%
D+	55 – 59%
D	50 – 54%
F	<50%

Proposed Itinerary – 2014 Glgy 435-05 – Grand Forks field school

Wednesday Apr 30:	9:00 – ca. 10:00, room TBA. Safety, waivers, contact information. 10:30 – ca. 15:00, ES115. Logistics, preparation of maps. Exercise in use of laser range finders and Brunton compasses for detailed mapping exercise. Field trip overview lecture.
Thursday May 1:	<u>Departure 7:00 am sharp!!</u> Field trip Day 1 (small field exercises en route). Stay night in Creston.
Friday May 2:	Field trip Day 2. Arrive at Johnny's Motel, Grand Forks. Food shop. Get organized for week. Hand in field trip exercises by 9:00 pm.
Saturday May 3:	1:1,000 mapping Day 1.
Sunday May 4:	1:1,000 mapping Day 2.
Monday May 5:	1:1,000 mapping Day 3 (until 2:00 pm). Hand in 1:1,000 map exercise at 11:00 pm.
Tuesday May 6:	Field trip to former mines and/or mineral prospects in area.
Wednesday May 7:	1:5,000 mapping Day 1.
Thursday May 8:	1:5,000 mapping Day 2.
Friday May 9:	1:5,000 mapping Day 3.
Saturday May 10:	1:5,000 mapping Day 4 (until 2:00 pm). Clean up rooms and pack. Group BBQ in evening.
Sunday May 11:	Drive to Calgary (departure time 6:00 am). Back ca. 16:00 (4:00 pm).
Monday May 12:	Work on 1:5,000 map exercise in lab (ES115). Final maps (only) due at 18:00, but will be returned to allow completion of other exercises.
Tuesday May 13:	9:00 am, ES115. 1:5,000 map exercise due (no extensions). 9:30 – 15:30 Individual interviews (~ 3 per hour, by lottery). 16:00 Course over.