



UNIVERSITY OF CALGARY

DEPARTMENT OF GEOSCIENCE COURSE OUTLINE

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

Lecture Sections:

B02: August 23 – September 05

Dr. B. Guest, Office: ES 524A, Ph. 403-220-8093, bguest@ucalgary.ca

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

2. **Prerequisites:** Geology 311 or 333, 323, 337, 341 or 343 and 381. See also Geology [Course Descriptions](#) of the University Calendar.

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

Notes: 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 to cover the costs of equipment and other resources.

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:

1. Strat section, due at 5pm on Aug 29th at 8 am. 10% of grade.
2. Two field book evaluations (15%): the first on Aug 27th for 5% and the second on Sept 2nd for 10%. In both cases you will turn your field book in at the end of the day (5 pm).
3. Two field map evaluations (50%): the first on Aug 28th for 10% and the second on Sept 3rd (5pm) for 40%.
4. A cross-section (15%): Due on Sept 3rd at 5 pm.
5. Professionalism/participation score (10%): based on my observations of your behavior and professionalism. Includes: work ethic, general behavior, punctuality, enthusiasm etc. Part of this includes sticking with you assigned partner. I expect groups of two not four or six. You will get docked professionalism points if you work in a group of three or more.

Grading Scheme

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	50-56
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. **Scheduled out-of-class activities:** A Safety Briefing will be held prior to departure, August 22, 16:00-17:00, ES136. Aside from that, the classes take place entirely off-campus.
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. **Course Materials:** Topographic map (purchased from the Department of Geoscience) and satellite imagery supplied by instructor.
7. **Approved Mandatory and Optional Course Supplemental Fees:** Group Studies Program fees.

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: [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 (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: suvpaca@ucalgary.ca.
SU Faculty Rep. Phone: 220-3913 Email: 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.
- (h) 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.

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

Department Approval: ORIGINAL SIGNED

Date: August 1 2014

Associate Dean's Approval for
out of regular class-time activity and
alternate final examination arrangements: ORIGINAL SIGNED

Date: August 6 2014

Field school schedule

On Friday Aug 22nd we will meet in the structure lab in the Earth Science Building at noon to prepare maps and discuss the field school. At 4pm we will attend a safety briefing with Lynne Maillet.

On Saturday Aug 23rd we will meet at 7 am at the loading dock of the earth Science Bldg. to load the vehicles. Once loaded we will start our Drive to drive to Pocatello Idaho where we will spend the night in the Thunderbird Motel. On Aug 24th we will complete our journey to the group camp but with a couple of stops along the way; we will stop in Bishop to do our shopping for 5 days worth of food, and we will fill up all of our water container at the Inyo National Forest ranger station (corner of HWY395 and Yaney St.). With these tasks out of the way we will drive up into the Inyo Mts. east of Big Pine and set up our camp.

Aug 25th – Field Day 1: We will do an intro to the field area and go to start our stratigraphic section measuring. We will familiarize ourselves with the stratigraphy and start measuring section.

Aug 26th – FD2: We will complete the section measuring exercise if necessary and start mapping.

Aug 27th – FD3: We will continue mapping the geology in the field area as a group with guidance from the instructor and the TA. In the afternoon the students groups will go out and start mapping independently.

*field book check in the evening

Aug 28th – FD4: Mapping. The instructor and TA will be in the field area mapping as well and will touch bases with various groups during the day.

Aug 29th – FD5: Mapping.

*Strat column due in the morning (8 am)

Aug 30th – Day off: We will head down to Bishop by 10:00am with coolers and water van as well as laundry etc. Will spend the day in Bishop getting everything sorted out and replenished and then head back to camp in the afternoon. If it is hot and the river not too high we can go for a swim before heading up to camp.

*Turn in map in the evening

Aug 31st – FD6: Mapping

Sept 1st – FD7: Mapping

Sept 2nd – FD8: Mapping

*Field book check in the evening (5pm deadline)

Sept 3rd – FD9: Office day for finishing maps, sections, etc. All materials due by 5 pm (no exceptions). If you get everything done well ahead of time you will have time to head down to the valley for a swim. Everything needs to be packed and ready to go for the 14th. In the morning you should wake up, pack your tent, sleeping bag and sleeping pad, pack your gear in the van and be ready to go. This means that you will need to do the bulk of your packing and the camp clean up on the 3rd **before** you get down to the Camp-end party.

Sept 4th – Drive to Pocatello

Sept 5th – Drive back to Calgary.