



UNIVERSITY OF CALGARY
FACULTY OF SCIENCE
DEPARTMENT OF GEOSCIENCE
COURSE OUTLINE
SPRING 2017

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

Lecture Sections:

B01: April 28, 2017-May 12, 2017, Location: Carlin Canyon, Nevada, USA

Instructor: Dr. C. Henderson, Office ES 274, Tel. No. 403-220-6170, e-mail address,
charles.henderson@ucalgary.ca

Office Hours: 8:00-17:00

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 and sent of the Department. 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.

Language requirements: Note that the instructions in the field are strictly oral in nature. No course notes are given to the participants. Students thus must be able to understand spoken English with ease and fluently. Students must also have an excellent knowledge of the written English language as a written report about the Geological History of the area is part of the grading.

Nature of instruction and grading: Note that students in Groups B01 and B02 receive exactly the same instructions in Nevada from the two instructors and are required to produce the same deliverables. However, the grading will be done by the Instructor of the Group in question (B01 Beauchamp; B02 Henderson).

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:

Map and map exercises	40%
Geologic History document	25%
Notebook and rough map	10%
Exit survey (May 10 or 11, 2017)	25%

Each piece of work (assignment, laboratory report, midterm test or final examination) 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

Mark Distribution

A+	96 – 100%
A	85 – 95%
A-	80 – 84%
B+	75 – 79%
B	70 – 74%
B-	65 – 69%
C+	62 – 64%
C	60 – 61%
C-	55 – 59%
D+	52 – 54%
D	50 – 51%
F	<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:** Dates and times of approved class activities 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. **Course Materials:**
TEXTBOOK: Recommended: Geological Field Techniques by Angela L. Coe, Wiley-Blackwell 2010
Topographic base map and satellite photograph to be provided by instructor
7. **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.
8. **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.
9. **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: Students with Disabilities: <http://www.ucalgary.ca/pubs/calendar/current/b-1.html> and Student Accessibility Services: <http://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: 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: March 30, 2017

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

Date: March 31, 2017

Tentative Schedule:

- April 28: Safety Briefing 9:00-11:00h AM (ES 149)
- April 29: Departure 7:30 AM (ES 149) from the University of Calgary
Travel by motor coach with professional driver
Stay at the Driftwood Inn Best Western (575 River Parkway, Idaho Falls, ID) (11 hours to the Falls)
- April 30: Continue to Carlin Canyon and initial ½ day exercise.
Stay at Shilo Inn Suites in Elko NV http://www.shiloinns.com/search_results.asp?PI=RELNV
- May 01-07: Exercises in Carlin Canyon area
- May 08: Depart and visit Craters of the Moon
Stay at the Driftwood Inn Best Western at Idaho Falls
- May 09: Return to UofC (about 11 hours)
- May 10: AM: Complete maps and exercises
PM: Map and report due at 12:30 PM for everybody, followed by first set of Exit Surveys (oral examinations)
- May 11: AM-PM: Second and third sets of Exit Surveys (oral examinations)
- May 12: Grading complete