

**UNIVERSITY OF CALGARY**  
DEPARTMENT OF GEOSCIENCE  
COURSE OUTLINE

1. Course: GEOLOGY 337 – Introduction to Geologic Field Methods

Lecture Section:        B03                      May 17 2014 – May 30 2014                      Off-campus                      WINTER 2014

**Instructor(s): Brett Hamilton, Kimberley Bell**

Desire2Learn GLGY 337 B03 — (Winter 2014) — Introduction to Geologic Field Methods  
(<https://d2l.ucalgary.ca/d2l/home/22414>)

Geoscience Department ES 118; (403) 220-5841; [geoscience.ucalgary.ca](http://geoscience.ucalgary.ca)

2. PREREQUISITE(S): Geology 201, Geology 202 or Geology 203

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:

Roadside exercises	18%
Mapping assignments	62%
Stratigraphic section	10%
Participation and attitude	5%
Field notebook	5%

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.

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 formal examination.
7. In this course, the quality of the student's writing in reports and the field notebook will be a factor in the evaluation of those components. See also <http://www.ucalgary.ca/pubs/calendar/current/e-2.html>.
8. **SUPPLEMENTARY FEES:** This course has a mandatory supplemental course fee of \$125.00. Students must also purchase a field school kit containing a compass, safety glasses, whistle and field notebook. For more information, see the Dept. of Geoscience field school webpage. Students are responsible for their own accommodation and food costs.
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 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](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:** 220-3911 **Email:** [suypaca@ucalgary.ca](mailto:suypaca@ucalgary.ca).  
SU Faculty Rep. **Phone:** 220-3913 **Email:** [sciencerep@su.ucalgary.ca](mailto:sciencerep@su.ucalgary.ca) Website <http://www.su.ucalgary.ca/home/contact.html>.  
Student Ombudsman: [www.ucalgary.ca/provost/students/ombuds](http://www.ucalgary.ca/provost/students/ombuds); [ombuds@ucalgary.ca](mailto: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.

UNIVERSITY OF CALGARY  
DEPARTMENT OF GEOSCIENCE  
COURSE OUTLINE

GEOLOGY 337  
INTRODUCTION TO GEOLOGIC FIELD METHODS

TERM: Winter 2014  
PREREQUISITE(S): Geology 201, Geology 202 or Geology 203  
LECTURER(S): Kimberly Bell and Brett Hamilton  
LECTURE : B03  
TEXT: Optional: Geological Field Techniques  
Angela L. Coe  
Wiley-Blackwell 2010  
*Available at the Campus Bookstore*

RESERVE READING ROOM: N/A

MARK DISTRIBUTION: A. Composition of Final Grade

Assignments

Woodbury Creek mapping	20%
Kootenay Point mapping	12%
Stratigraphic section	10%
Exshaw mapping	30%
Roadside exercises	18%
Participation and attitude	5%
Field notebook	5%

Students who are unable to submit assignments by the due date because of illness or other unforeseen circumstances will be required to submit adequate documentation (a completed Physician/Counsellor Report form <http://www.ucalgary.ca/registrar/PDFs/physcoun.pdf> for illness; equivalent documentation for other circumstances) to an instructor in order to be considered for a time extension.

B. Final Exam

There will be no final examination.

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

N/A

D. 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-	57 – 61%
D+	54 – 57
D	50 – 54%
F	<50%

A TENTATIVE SCHEDULE MUST BE INCLUDED.

Day	Date	Meeting time	Meeting place	Activity	Overnight locale
1	Saturday, May 17	9:00 am	ES 136	Orientation; safety meeting; introductory exercises in Calgary	Calgary
2	Sunday, May 18	7:30 am	Parking lot 21 (east of Earth Science building)	Drive to Revelstoke, B.C.; short exercises en route	Revelstoke
3	Monday, May 19	8:00 am	Hotel parking lot	<b>Day 2 assignments due</b> ; travel to Balfour, BC; short exercises en route	Balfour
4	Tuesday, May 20	8:00 am	Hotel parking lot	<b>Day 3 assignments due</b> ; mapping at Woodbury Creek	Balfour
5	Wednesday, May 21	8:00 am	Hotel parking lot	Mapping at Woodbury Creek continued	Balfour
6	Thursday, May 22	8:00 am	Hotel parking lot	<b>Woodbury Creek mapping assignment due</b> ; mapping at Kootenay Point	Balfour
7	Friday, May 23	7:30 am	Hotel parking lot	Travel to Cranbrook; short exercises en route	Cranbrook
8	Saturday, May 24	8:00 am	Hotel parking lot	<b>Kootenay point mapping and day 7 assignments due</b> ; travel to Calgary; a few stops en route	Calgary
9	Sunday, May 25	8:30 am	Parking lot 21 (east of Earth Science building)	Measuring stratigraphic sections along Hwy 1A near Exshaw, AB	Calgary
10	Monday, May 26	8:30 am	Parking lot 21	Mapping: Jura Creek near Exshaw, AB	Calgary
11	Tuesday, May 27	8:30 am	Parking lot 21	Mapping: Exshaw Mountain near Exshaw, AB	Calgary
12	Wednesday, May 28	8:30 am	Parking lot 21	Mapping: Heart Mountain near Exshaw, AB	Calgary
13	Thursday, May 29	9:30 am	Reserve day for fieldwork/on campus work days	Work on stratigraphic section, map, cross section and report	Calgary
14	Friday, May 30	8:30 am	Parking lot 21	Day trip to Lake Louise area, assignment along the way	Calgary
				<b>Hand in all remaining assignments by noon (12pm), June 2</b>	

\* May be subject to change due to unpredictable events (weather, flooding, fire, animal activity)

\*\* Expected return time to hotel/Calgary after fieldwork each day is between 7 and 8 pm.

\*\*\* Detailed information on the assignments will be given on the day of the assignment.