

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

**1. Course: GEOLOGY 435 – Field Methods II**

Lecture Section:	B01	May 01 2014 – May 14 2014	Bishop California USA	WINTER 2014
<b>Instructor(s):</b>	Dr. B. Guest	ES 524A	220-8093	bguest@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:

1. Strat section, due at 5pm on May 7<sup>th</sup> at 8 am. 10% of grade.
2. Two field book evaluations (15%): the first on May 5<sup>th</sup> for 5% and the second on May 12<sup>th</sup> 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 May 8<sup>th</sup> for 10% and the second on May 13<sup>th</sup> (5pm) for 40%.
4. A cross-section (15%): Due on Aug 25<sup>th</sup> 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.

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: N/A

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](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:** [suwpaca@ucalgary.ca](mailto:suwpaca@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.

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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. B. Guest ES 524A 220-8093 bguest@ucalgary.ca

LECTURE : B01

MARK DISTRIBUTION: A. Composition of Final Grade

Strat section	10%
Field book	15%
Cross section	15%
Map	50%
Professionalism	10%

B. Final Exam

There will not be a final examination

C. 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

## Tentative Schedule:

On May 1<sup>st</sup> we will drive to Pocatello Idaho where we will spend the night in the Thunderbird Motel. On May 2<sup>nd</sup> 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.

May 3<sup>rd</sup> – Field Day 1: We will do a recon of the field area and go to find our stratigraphic section measuring sites. We will familiarize ourselves with the stratigraphy and start measuring section.

May 4<sup>th</sup> – FD2: We will complete the section measuring exercise and start mapping.

May 5<sup>th</sup> – 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

May 6<sup>th</sup> – 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.

May 7<sup>th</sup> – FD5: Mapping.

\*Strat column due in the morning (8 am)

May 8<sup>th</sup> – 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

May 9<sup>th</sup> – FD6: Mapping

May 10<sup>th</sup> – FD7: Mapping

May 11<sup>th</sup> – FD8: Mapping

May 12<sup>th</sup> – FD9: Mapping

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

May 13<sup>th</sup> – 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 14<sup>th</sup>. 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 13<sup>th</sup> **before** you get down to the Camp-end party.

May 14<sup>th</sup> – Drive to Pocatello

May 15<sup>th</sup> - Drive back to Calgary.