

UNIVERSITY OF CALGARY
DEPARTMENT OF GEOSCIENCE
COURSE OUTLINE

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

Lecture Section: B01 May 01 2014 – May 14 2014 WINTER 2014

Instructor(s): Dr. J. Cuthbertson ES 520 220-4709 cuthberj@ucalgary.ca

Course Website is on D2L.

Geoscience Department ES 118; (403) 220-5841; 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:

Activity	Grade Weight
Symons Valley, Highway 22, Canmore exercises	10%
Highway 1A Stratigraphic Section	10%
Exshaw Mapping, Cross Section and Report	30%
Drumheller stratigraphic section	5%
Eager Hill Map, Cross Section and Report	30%
Detailed mapping project near Cranbrook	5%
Field Notebook	5%
Participation and Attitude	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 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 geologic reports will be a factor in the evaluation of those reports. 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
- (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 337
INTRODUCTION TO GEOLOGIC FIELD METHODS

TERM: Winter 2014

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

LECTURER(S): Dr. J. Cuthbertson ES 520 220-4709 cuthberj@ucalgary.ca

LECTURE : B01

TEXT **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

Activity	Grade Weight
Symons Valley, Highway 22, Canmore exercises	10%
Highway 1A Stratigraphic Section	10%
Exshaw Mapping, Cross Section and Report	30%
Drumheller stratigraphic section	5%
Eager Hill Map, Cross Section and Report	30%
Detailed mapping project near Cranbrook	5%
Field Notebook	5%
Participation and Attitude	5%

B. Final Exam

There will be no final examination scheduled by the Registrar's Office.

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

Students must achieve a passing grade (minimum of D) on all components of this course in order to achieve a passing grade in the course.

D. Grading Scheme

Letter	Percent
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

CLASSROOM PERFORMANCE SYSTEM: none.

***Tentative Schedule**

May 1: Safety briefing, map work, afternoon field exercises at Symons Valley, Calgary

May 2: Highway 22/Trans-Canada highway outcrop, Canmore outcrop

May 3: Highway 1A stratigraphic section

May 4: Mapping of lower slopes of Exshaw Mountain

May 5: Mapping of lower slopes of Heart Mountain

May 6: Drumheller stratigraphic section

May 7: Drive to Cranbrook, B.C., map work and planning

May 8: Eager Hill mapping project

May 9: Eager Hill mapping project

May 10: Eager Hill mapping project/possible mine tour

May 11: Detailed mapping project near Cranbrook

May 12: Drive back to Calgary, AB

May 13: free work day

May 14: free work day