UNIVERSITY OF CALGARY DEPARTMENT OF GEOSCIENCE COURSE OUTLINE

1. Course: Geology 337, Introduction to Geologic Field Methods

Section: B04: August 26 - Sept 7 inclusive

Instructor: Dr. Alan Hildebrand Office: ES760A; Phone: 220-2291; E-mail: ahildebr@ucalgary.ca

Teaching Assistant: Shantal Goldsmith E-mail: sagoldsm@ucalgary.ca

Course will use Blackboard

Geoscience Departmental Office ES118, 403-220-3256, geosci@ucalgary.ca

- Prerequisites: Geology 201, Geology 202 or 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)
- 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:

The following are the planned exercises and the percentage of grades.

NOTE: Weather and ground conditions may require modifications.

Regional mapping exercise in the Front Ranges, with associated completion of geologic map (15%) and a structural cross section (10%); (due on Sept 10th) 25%

Measurement of a stratigraphic section. Construction of a stratigraphic column (due date Sept 10^{th}) . . . 20%

Detailed mapping exercise in Trail: completion of geologic map (10%), cross-section (5%) and sequence of events/history (10%) (due on Sept 10th)......25%

Preparation of a short, integrated report associated with regional mapping exercise (due on Sept 10^{th})......15%

Detailed strat section (Sept 2nd) 10%

Notebook (due on Sept 10th).....5%

Grading Scheme (letter and percent): A+ (95-100), A (90-94.99), A- (85-89.99), B+ (80-84.99), B (75-79.99), B- (70-74.99), C+ (66-69.99), C (61-65.99), C- (57-60.99), D+ (53-56.99), D+ (50-52.99), F (0-49.99)

- 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:

<u>Detailed Field School Itinerary (provisional – subject to bad weather or other variables):</u>

August 26th (Monday):

Meet in ES 162 at 9 AM

Mandatory safety briefing; equipment purchase

Move to ES115

Go over outline, safety issues & introductory material, assign equipment

Short exercises in the field (Rothney Astrophysical Observatory, AB)

August 27th (Tuesday):

Meet at 8 AM (at U of C – ES loading dock)

Stratigraphic section at Exshaw, AB

August 28th (Wednesday): Meet at 8 AM (at U of C – ES loading dock)

Finish stratigraphic section at Exshaw, AB

August 29th (Thursday):

Meet at 8 AM (at U of C – ES unloading dock)

Mapping at Grotto Creek, AB

August 30th (Friday):

Meet at 8 AM (at U of C - ES unloading dock)

Mapping at Grotto Creek, AB

August 31th (Saturday):

Meet at 8 AM (at U of C – ES loading dock)

Continue mapping at Grotto Creek, AB

September 1st (Sunday): Meet at 8 AM (at U of C – ES unloading dock)

Finish mapping at Grotto Creek, AB

September 2nd (Monday) Meet at 8 AM (at U of C – ES loading dock)

Detailed strat section - K-T boundary, Trochu

September 3rd (Tuesday): Meet at 8 AM (at U of C – ES unloading dock)

Travel to Trail, BC

Check into hotel then introduction to map area (or vice versa)

September 4th (Wednesday):

Meet at 8 AM at vans

Mapping at riverside

September 5th (Thursday): Meet at 8 AM at vans

Mapping at riverside

September 6th (Friday):

Check out of hotels; meet at vans at 8 AM

Finish mapping at riverside; travel back to Calgary

September 7th (Saturday): 11 AM to 1 PM - cross section construction/orientations - meet in ES136

September 10th (Tuesday): Hand in all assignments and notebook

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.

Course Materials:

"Geological Field Techniques by A. Coe. Wiley-Blackwell, 2010"

- 7. Examination Policy: No exams occur during this course. Students should also read the Calendar, Section G, on Examinations.
- 8. Approved Mandatory and Optional Course Supplemental Fees: Mandatory Course Supplemental Fee of \$125.00.

"All GLGY 337 students are required to purchase a kit containing a Suunto MG-2G compass, safety goggles, a field book, and a whistle. The vendor will be on campus on August 26, 2013 after the safety briefing to sell these kits to you. Transactions are cash or cheque (with ID) ONLY. No credit cards will be accepted. COST OF THE KIT IS ~\$85.00."

Please note that this field school will be spending three nights in Trail, BC (Sept 3, 4 & 5) and that students will be responsible for their own hotel and food costs.

9. Writing across the curriculum statement: In this course, the quality of the student's writing in the Grotto Creek report will a factor in the evaluation of those reports. See also <u>Section E.2</u> of the University Calendar.

11. OTHER IMPORTANT INFORMATION FOR STUDENTS:

- (a) Academic Misconduct: (cheating, plagianism, 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: <u>VP Academic Phone</u>: 220-3911 Email: suvpaca@ucagary.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.

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

