



# UNIVERSITY OF CALGARY

## DEPARTMENT OF GEOSCIENCE COURSE OUTLINE FALL 2015

**1. Course:** GOPH 549, Field School

Lecture Sections:

B01: August 22-August 30 Location: Castle Mountain and Environs

B02: August 29-September 4 Location: Castle Mountain and Environs

T01: September 14 2015 – October 5, 2015 – Mondays 17:00 – 19:50 MS 211

Dr. K. Innanen, Office: ES 212, Ph. 403-210-6837, [k.innanen@ucalgary.ca](mailto:k.innanen@ucalgary.ca), Office Hours: by appointment

Dr. A. Pidlisecky, Office: ES 130, Ph. 403-220-6679, [adampid@ucalgary.ca](mailto:adampid@ucalgary.ca), Office Hours: by appointment

Course website or Desire 2 Learn (D2L) course name: GOPH 549 T01 – (Fall 2015) – Field School  
Geoscience Department ES 118, 403-220-5841, [geoscience.ucalgary.ca](http://geoscience.ucalgary.ca), [geoscience@ucalgary.ca](mailto:geoscience@ucalgary.ca)

**2. Prerequisites:** Geophysics 355, 453 and 457. See also Geology Course Descriptions of the University Calendar.

**Notes:** This course occurs in rugged field conditions and varying weather, for which participants must be prepared and equipped. Students will be required to cover food and accommodation costs, and a supplemental fee will be assessed to cover the costs of equipment and other resources.

**3. Grading:** The University policy on grading and related matters is described in 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:

Field performance & participation	40%
Field assignments	15%
Final presentation & oral exam	30% (During tutorial date TBA)
Tutorial attendance & participation	10%
Team evaluations	5%

You must receive a passing grade in each of these components to pass the course. Assignment of letter grades:

Grade %	Letter
95-100	A+
90-94	A
85-89	A-
80-84	B+
75-79	B
70-74	B-
65-69	C+
60-64	C
58-59	C-
50-59	D
< 50	F

**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:** 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:** there will be no written Exams in this course; see point 3., above. Students should also read the Calendar, [Section G](#), on Examinations.
7. **Course Materials:** *"Applied Geophysics", 2<sup>nd</sup> Edition, by Telford, Geldart and Sheriff, Cambridge*  
*Lecture notes from GOPH 355 may be helpful.*
8. **Approved Mandatory and Optional Course Supplemental Fees:** Transportation \$125; meals and accommodation involve a further fee TBA.
9. **Writing across the curriculum statement:** In this course, the quality and completeness of the student's writing in all field books and/or reports will be a factor in the evaluation of those reports. See also [Section E.2](#) of the University Calendar.

## 10. 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. Safe and professional behaviour is expected at all times in the field component of this course. Failure to conduct oneself in a safe and professional manner will lead to immediate removal from the field, and will immediately result in a failing grade in the relevant course evaluation.
- (b) **Assembly Points:** In case of emergency during class time, be sure to FAMILIARIZE YOURSELF with the information on assembly points.
- (c) **Student Accommodations:** Students needing an Accommodation because of a Disability or medical condition should contact Student Accessibility Services in accordance with the Procedure for Accommodations for Students with Disabilities available at [http://www.ucalgary.ca/policies/files/policies/procedure-for-accommodations-for-students-with-disabilities\\_0.pdf](http://www.ucalgary.ca/policies/files/policies/procedure-for-accommodations-for-students-with-disabilities_0.pdf). Students needing an Accommodation in relation to their coursework or to fulfil requirements for a graduate degree, based on a Protected Ground other than Disability, should communicate this need, preferably in writing, to the Associate Head of Geoscience, Dr. E.S. Krebes by email [krebes@ucalgary.ca](mailto:krebes@ucalgary.ca) or phone 403-220-5850.
- (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 (FOIP). 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](mailto:suvpaca@ucalgary.ca) SU Faculty Rep. Phone: 403 220-3913 Email: [science1@su.ucalgary.ca](mailto:science1@su.ucalgary.ca), [science2@su.ucalgary.ca](mailto:science2@su.ucalgary.ca) and [science3@su.ucalgary.ca](mailto:science3@su.ucalgary.ca); Student Ombuds Office: 403-220-6420 Email: [ombuds@ucalgary.ca](mailto: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. During field exercises, there will be no use of smart phones or regular cell phones for calls or texting. The use of these devices presents safety hazards and may also interfere with instruments. Infractions will result in a grade penalty. You are free to use these devices during the evenings, however, cell phone coverage is not available at the camp but Wifi is available. If you violate this policy you may be asked to leave the classroom or fieldschool. 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](http://www.ucalgary.ca/usri)). Your responses make a difference – please participate in USRI Surveys.

Department Approval: ORIGINAL SIGNED

Date August 4, 2015

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

Date: August 4, 2015

(From D2L site)

Hi there and welcome to Geophysics Field School 2015!

GOPH 549 is a multi-overnight field course taking place at Castle Mountain, Pincher Creek and environs at the end of August 2015. Transportation to and from the field site will be provided, with the pick up and drop off at the University of Calgary. Meals and accommodation all arranged; there is a (very reasonable) cost to each student for these, which is to be paid to the department. Payment details will be provided in a separate announcement.

Everyone will be on site for 5 nights. Each morning you'll convene with your TA and instructors, and hand in or present any assigned tasks from the previous day. During the day you'll participate in one of five field activities, and in the evenings you'll work through a range of calculations and interpretive activities based on the day's results.

If you are in Section B01, you'll depart from the University of Calgary by bus the morning of Mon August 24 2015 after a meeting and safety briefing on campus. The drive to Castle Mountain is 2 ½ - 3 hours. The return to campus, also by bus, will be late afternoon/early evening of Sat August 29 2015.

If you are in Section B02, departure from University of Calgary will be the morning of Sun August 30 2015, also after a meeting and safety briefing on campus. You'll return to campus by bus late afternoon/early evening of Fri September 4 2015.

In the first week of August a set of notifications and guidelines will begin to appear on the GOPH 549 D2L site: they will provide details on required and recommended clothing/footwear, fee payment instructions, recommended background review material (basically, your GOPH 355 notes), required materials (e.g., field notebooks), lesson plans, etc. So, please check in at this site regularly during the weeks before the course.

Geophysics Field School has been described as an intense but exciting experience. We hope so – we've worked hard to make it that way. It is hard work, and it is by turns intense and tiring. But, if you treat it with respect, professionalism and enthusiasm, it will act as a focal point for your degree program – an opportunity to turn the ideas, theories, methods, and mathematics you've been struggling with for a few years into something tangible. You've been hearing for years how to turn displacements and voltages into real geological information. Now you can finally dispense with the chitchat and actually do it.

See you in a few weeks!

Kris, Adam & Brandon