



UNIVERSITY OF CALGARY

DEPARTMENT OF GEOSCIENCE COURSE OUTLINE SUMMER 2017

1. Course: GLGY 441, Field Techniques in Hydrogeology

Lecture Sections: *none*

Lab Section B01: August 21-September 2, 2017 – based out of ES254

Tutorial: TuWeThFr, 9:00 a.m.-12:00 p.m. September 5 – 8, 2017

Instructors:

Dr. Cathy Ryan, ES 268; 403-220-2793; cryan@ucalgary.ca ; Office Hours: “open-door” or by email

Dr. Masaki Hayashi, ES 278, 403-220-2794, hayashi@ucalgary.ca; Office Hours: “open-door” or by email

Teaching assistant:

Laura Morgan, ES 280, lmorgan@ucalgary.ca; Office Hours: appointment by e-mail

Geoscience Department ES 118, 403-220-5184, geoscience.ucalgary.ca, geoscience@ucalgary.ca

2. Prerequisites: GLGY 401 and consent of the Department. See section 3.5.C in the Faculty of Science section of the online Calendar (www.ucalgary.ca/pubs/calendar/current/sc-3-5.html)

Antirequisites: Credit for both Geology 441 and 639 will not be allowed.

Notes: This course has limited enrolment. This course occurs in rugged field conditions and varying weather, for which participants must be prepared and equipped. Students will require consent of the department to drop this course.

Please Note: July 7, 2016 is the last day for registration and changes of registration in all summer GLGY field schools.

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:

Five group assignments (each worth 10%)	50%
Six reading assignments (each worth 1%)	6%
Six individual assignments (each worth between 6 and 10%)	44%

Note that group work will be assessed by peer review for the level of effort and team contribution, and group assignment marks may be scaled accordingly. Group assignments will typically collate and present the entire class’ data. Individual assignments will be based on the group assignment data, but will involve higher level interpretation and discussion.

Each assignment 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. The conversion between course percentage and letter grade is given below.

Letter Grade	Percent	Letter Grade	Percent
A+	95-100	C+	65-69
A	90-94	C	60-64
A-	85-89	C-	56-59
B+	80-84	D+	53-55
B	75-79	D	50-52
B-	70-74	F	0-49

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:** A Safety Briefing will be held prior to departure in the morning of August 21st in room ES254. Field activities will be conducted over nine days (August 21st – Sept 2nd) normally beginning with a lecture at 8am in ES254.

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. **Course Materials:** Textbooks on reserve in the Gallagher include:
Saunders, L., 1988. A manual of field hydrogeology; GB1002.3 .S26
Weight, W. D., 2008., Hydrogeology field manual 2nd ed., GB1003.2 .W45 2008
7. **Examination Policy:** There will be no written Exams in this course; see point 3., above.
8. **Approved Mandatory and Optional Course Supplemental Fees:** A supplementary fee will be assessed to cover additional costs associated with this course.
9. **Writing across the curriculum statement:** The quality of the student's writing and data presentation will be a factor in the evaluation of student work. 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
- (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: Students with Disabilities: <http://www.ucalgary.ca/pubs/calendar/current/b-1.html> and Student Accessibility Services: <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: 403 220-3911 Email: suvpaca@ucalgary.ca
SU Faculty Rep. Phone: 403 220-3913 Email: science1@su.ucalgary.ca, science2@su.ucalgary.ca
and science3@su.ucalgary.ca;
Student Ombuds Office: 403-220-6420 Email: 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. If you violate this policy you may be asked to leave the classroom. 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). Your responses make a difference – please participate in USRI Surveys.

Department Approval: ORIGINAL SIGNED

Date: August 3, 2017

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

Date: August 14, 2017