



UNIVERSITY OF CALGARY

DEPARTMENT OF GEOSCIENCE COURSE OUTLINE GLGY 599 SPRING 2018

- Course:** GLGY 599, **Contemporary Topics in Geology; Water Management in Peru.** The field work for this course will take place in the Ica Region of Peru and focus on water management in a highly stressed groundwater-dependent region that is also the region with the largest export agriculture industry in Peru. Students will learn scientific methods for studying water as well as the anthropological, social, political, economic, legal and policy aspects of water management. This course is offered in conjunction with an concurrent course that will focus on a related independent study project (SCIE 507, **Experiential Learning in Science; Water Management in Peru**).

Lecture Sections:

B01: Pre field work lectures and independent research – April 26-28, 2018

Field work; May 1-15; Location: Lima and Ica, Peru

Instructors: Dr. David Bethune, 403-615-1514, bethuned@ucalgary.ca
Dr. Cathryn Ryan, ES 118C, 403-220-2793, cryan@ucalgary.ca

Geoscience Department ES 118, 403-220-5841, geoscience@ucalgary.ca

- Prerequisites:** Consent of the Department.
- 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:

Deliverable(s)	Contribution to final grade (%)
Collation and presentation of 2017 sampling data pre-departure (individual)	5
Detailed field notes from Peru travels (individual)	5
Collation of field data in figure and tables (group)	5
Geology and hydrogeology of study region (written group report)	7
Addition of post-field work laboratory analyses to figures and tables (group)	5
Submission of table, figures, point-form conclusions for (group)	5
Submission of introduction and revised conclusions (group)	8
Submission of draft report (group)	15
Final submission of report (group)	15
Oral presentation of scientific report, followed by an oral exam (individual)	30

Assessment components in this course include field based assignments that must be completed during field work, maintaining an up to date field book, active participation in the course activities, post-field trip collation and presentation scientific report on water management in the Ica region as a group project report. A student must complete all these components to receive a passing grade. The grade weights for the components are indicated above. This is a field based course and most of the instruction takes place in the field in Peru. Completion of the field work component of the course is mandatory to obtain a passing grade.

Individual elements of the course (as detailed above) 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 to determine the course letter grade. The conversion between course percentage grade and letter grade is given below.

Letter Grade	Percent
A+	94-100
A	88-94
A-	83-87
B+	78-82
B	73-77
B-	69-72
C+	65-68
C	61-64
C-	56-60
D	50-55
F	<50

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

This is a field based course where most of the instruction takes place during field work. Completion of the field work component of the course is mandatory to obtain a passing grade

5. **Scheduled out-of-class activities:** This is a field based course where most of the instruction takes place off campus. The post-field trip presentations will be scheduled at a time that is convenient for all the participants.
6. **Course Materials:** There is no recommended textbook for this course. Students will have to follow discussions in the field as access the University of Calgary library, often for independent research.
7. **Approved Mandatory and Optional Course Supplemental Fees:** As detailed by the Group Studies Program.
8. **Examination Policy:** There will an individual oral exam in this course. Please see Grading (above) for assessment methods.. Students should also read the Calendar, [Section G](#), on Examinations.
9. **Writing across the curriculum statement** In this course, the quality of the student's writing, clear presentation of information (i.e. in tables, graphs, and figure), and appropriate scientific writing and presentation aspects will be a factor in the evaluation in all aspects of the course. See [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 (FOI/PPA). 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.