

UNIVERSITY OF CALGARY  
DEPARTMENT OF GEOSCIENCE  
**COURSE OUTLINE**

**1. COURSE:** GEOLOGY 373 – SURFICIAL GEOLOGY

Lecture Sections:      L01                      MW                      15:30-16:45                      A 142                      WINTER 2014

**Potentates:**

*Grand Illustrious Potentate:*

Dr. Jerry Osborn, ES 510, 220-6448, [osborn@ucalgary.ca](mailto:osborn@ucalgary.ca)

*Lesser, but still potent, Potentates:*

Bethany Ladd, ES 272, 919-6498, [bethanyladd@gmail.com](mailto:bethanyladd@gmail.com)

Mary Kruk, ES 504, [mkruk@ucalgary.ca](mailto:mkruk@ucalgary.ca)

D2L Course name: GLGY 373 L01 Winter 2014 – Surficial Geology

Geoscience Department ES 118; (403) 220-5841; [geoscience.ucalgary.ca](http://geoscience.ucalgary.ca)

**2. PREREQUISITE:** Geology 201, Geology 202 or 203

**ANTIREQUISITE:** Credit for both Geology 373 and Geography 307 will not be allowed.

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:

Laboratory and group projects	40%
Midterm exam	15%
Reading quizzes	15%
Final Examination	30% (To be scheduled by the Registrar)

A passing grade in the lab/projects components is required for a passing grade in the course.

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, with the provision that a failing grade in the labs/projects component results in a failing grade in the course.

Letter Grade/ Percentage conversions

A+ 95- 100	C+ 65- <70
A 90- <95	C 60- <65
A- 85- <90	C- 56- <60
B+ 80- <85	D+ 53- <56
B 75- <80	D 50- <53
B- 70- <75	F 0- <50

Extra Credit

Extra credit may be granted for extra class-directed work, such as researching a problem arising in class. However, any such credit must be applied for in writing at the end of the term.

**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. **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>.

6. In this course, the quality of the student's writing in project reports will be a factor in the evaluation of those reports. See also <http://www.ucalgary.ca/pubs/calendar/current/e-2.html>."

**7. 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](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:** 220-3911 **Email:** [suypaca@ucalgary.ca](mailto:suypaca@ucalgary.ca).  
SU Faculty Rep. **Phone:** 220-3913 **Email:** [sciencerep@su.ucalgary.ca](mailto:sciencerep@su.ucalgary.ca) Website <http://www.su.ucalgary.ca/home/contact.html>.  
Student Ombudsman: [www.ucalgary.ca/provost/students/ombuds](http://www.ucalgary.ca/provost/students/ombuds); [ombuds@ucalgary.ca](mailto: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.

## Tentative Course Schedule for GLGY 373– Winter 2014

Week	Date	Lecture	Lab
1	---	----	5 problems
	Jan 8	Introduction	
	Jan 10	Surficial deposits from geologic point of view	
2	Jan 13	"	Dichotomous key project
	Jan 15	"	
	Jan 17	"	
3	Jan 20	Surficial deposits from engineering point of view	Engineering soils project
	Jan 22	"	
	Jan 24	"	
4	Jan 27	"	Lab: Interpreting structure
	Jan 29	Interpretation of topography and drainage	
	Jan 31	"	
5	Feb 3	"	Fault project, Lab: Neotectonics
	Feb 5	"	
	Feb 7	"	
6	Feb 10	"	Landslide project I
	Feb 12	Mass movement	
	Feb 14	"	
7	Feb 17-21	<b>Reading Week – No lectures or lab</b>	
8	Feb 24	"	Landslide project II
	Feb 26	"	
	Feb 28	"	
9	Mar 3	"	Lab: River migration
	Mar 5	River systems	
	Mar 7	"	
10	Mar 10	"	Lab: Floodplain mapping
	Mar 12	"	
	Mar 14	"	
11	Mar 17	"	Lab: Glacial deposits mapping
	Mar 19	Glaciers	
	Mar 21	"	
12	Mar 24	"	Project: Wind River Range icecap
	Mar 26	"	
	Mar 28	"	
13	Mar 31	Karst	Field trip: mapping surficial deposits
	Apr 2	"	
	Apr 4	"	
14	Apr 7	Permafrost	TBA
	Apr 9	"	