



The Department of
GEOGRAPHY

**GEOGRAPHY FINAL COURSE OUTLINE WINTER 2009
GEOGRAPHY 415**

Hydrology

Timetable:	Days	Time	Location
Lecture	MWF	15:00 -15:50	SB147
Lab 1	M	10:00 -11:50	ES307
Lab 2	W	11:00 -12:50	ES307

Instructor: Pablo Wainstein

Office: ES922

Office hours: M (16:00-17:00) & W (13:00-14:00)

Phone: (403) 220-3176

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TA: Stephanie Lapka

Office:

Office hours: by appointment

Phone: (403) 220-3176

Email: sdlapka@ucalgary.ca

Official Course Description:

Water plays a critical role in the environment and hydrology is the science that studies it. The course will touch upon water balance, circulation, distribution, chemical and physical properties, precipitation, snow melt and runoff analysis within others.

Required Texts: *Physical Hydrology* (2nd edition) by S. Lawrence Dingman

Readings: Additional readings will be posted on the Blackboard site.

Grading (Weighting)

- Labs (30%)
- 2 mid term exams (30%)
- Class participation (10%) - (e.g. "Question of the day", "Design your own exam")
- Final Exam (30%) Date scheduled by the registrar

Prerequisites

Geography 305 or 307 and a course in statistics, preferably Geog 339 or equivalent.

Grading System

96-100	A+	77-80	B	59-61	C-
90-95	A	71-76	B-	55-58	D+
86-89	A-	65-70	C+	50-54	D
81-85	B+	62-64	C	0-49	F

TENTATIVE DETAILED SCHEDULED

Week	Date	Lectures	Reading
1	Jan 12 - Jan 16	1 - Introduction 2 - Intro & basic concepts 3 - Basic concepts	Chapter 1
2	Jan 19 - Jan 23	4 - Basic concepts 5 - Basic concepts 6 - Hydrologic cycle	Chapters 2 & 3
3	Jan 26 - Jan 30	7 - Hydrologic cycle	Chapters 3 & 4

		8 - Hydrologic cycle	
		9 - Precipitation	
4	Feb 02 - Feb 06	10 - Precipitation	Chapter 4
		11 - Precipitation	
		12 - Precipitation	
5	Feb 09 - Feb 13	13 - 1 st Mid Term Exam	Chapter 5
		14 - Snow	
		15 - Snow	
6	Feb 16 - Feb 20	Reading Week	
7	Feb 23 - Feb 27	Visit to the weather station	Chapter 5
		16 - Snow	
		17 - Snow	
8	Mar 02 - Mar 06	18 - Water in soils	Chapter 6
		19 - Water in soils	
		20 - Water in soils	
9	Mar 09 - Mar 13	21 - Water in soils	Chapter 7
		22 - Evo-transpiration	
		23 - Evo-transpiration	
10	Mar 16 - Mar 20	24 - Evo-transpiration	Chapter 8
		25 - Ground water	
		26 - Ground Water	
11	Mar 23 - Mar 27	27 - Ground Water	Chapter 8
		28 - Groundwater	
		29 - 2nd Mid Term Exam	
12	Mar 30 - Apr 03	30 - Stream response	Chapter 9
		31 - Stream response	
		32 - Stream response	
13	Apr 06 - Apr 10	33 - Stream response	
		34 - Stream response	
		Good Friday	
14	Apr 13 - Apr 17	35 - Water management	Chapter 10
		36 - TBD	
		37 - TBD	

For additional detailed course information posted by the Instructor see Blackboard at:
<http://blackboard.ucalgary.ca/>

Plagiarism

Academic dishonesty is not an acceptable activity at the University of Calgary and students are **strongly advised** to read the Student Misconduct section in the University Calendar. Quite often, students are unaware of what constitutes academic dishonesty or plagiarism. The most common are:

- 1) Presenting another student's work as your own
- 2) Presenting an author's work or ideas as your own without proper referencing
- 3) Using work completed for another course.

This activity will not be tolerated in this course and students conducting themselves in this manner will be dealt with according to the procedures outlined in the calendar.

Disability Resource Centre Accommodations

It is the student's responsibility to request academic accommodations. If you are a student with a documented disability who may require academic accommodation and have not registered with the Disability Resource Centre, please contact their office at 220-8237. Students who have not registered with the Disability Resource Centre are not eligible for formal academic accommodation. You are also required to discuss your needs with your instructor no later than fourteen (14) days after the start of this course.

Re: Posting of Grades and Picking-up of Assignments

- All assignments will be handles on Blackboard.
- Their own grades will be available to each student on Blackboard by password access. Grades will not be available at Geography's main office.

Contact Information for Student and Faculty Representation

- SU VP Academic Phone: 220-3911 and e-mail: suypaca@ucalgary.ca
- SU Faculty Rep. Phone: 220-3913 and e-mail: socialscirep@su.ucalgary.ca

Campus Safewalk

Campus Security, in partnership with the Students' Union, provides the Safewalk service, 24 hours a day, to any location on Campus including the LRT, parking lots, bus zones and University residences. Contact Campus Security at 220-5333 or use a help phone, and Safewalkers or a Campus Security officer will accompany you to your Campus destination.