



**GEOGRAPHY FINAL COURSE OUTLINE: WINTER 2010  
GEOGRAPHY 415**

**Hydrology**

<b>Timetable:</b>	<b>Days</b>	<b>Time</b>	<b>Location</b>
Lecture	MWF	09.00-09.50	EDC 284
Lab 1	F	10.00-11.45	ES307
Lab 2	W	10:00-11.45	ES307

<b>Office: ES 922</b>	<b>Hours: M (10:00-11:00) &amp; W (10:00-11:00)</b>	
<b>Telephone: 220 3176</b>	<b>Email: <a href="mailto:pawainst@ucalgary.ca">pawainst@ucalgary.ca</a></b>	

**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* (2<sup>nd</sup> edition) by S. Lawrence Dingman

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

**Supplementary Fees:** (*field trips etc*). *N/A.*

**Grading (Weighting)**

- Labs (**30 %**)
- Class participation (**15 %**) – (Question of the day, Design your own exam & quizzes)
- 2 mid term exams (**30 %**)
- Final Exam (**25 %**). Date determined 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	00 – 49 %	F

## TENTATIVE DETAILED SCHEDULED

Week	Date	Lectures	Reading
1	Jan 11 – Jan 15	1.- Introduction 2.- Intro & Basic concepts 3.- Basic concepts	
2	Jan 18 – Jan 22	4.- Basic concepts 5.- Basic concepts 6.- Hydrologic cycle	
3	Jan 25 – Jan 29	7.- Hydrologic cycle 8.- Hydrologic cycle 9.- Precipitation	
4	Feb 01 – Feb 05	10.- Precipitation 11.- Precipitation 12.- Precipitation	
5	Feb 08 – Feb 12	13.- <b>1<sup>st</sup> Mid Term Exam</b> 14.- Exam review 15.- Snow	
6	Feb 15 – Feb 19	<b>Reading Week</b>	
7	Feb 22 – Feb 26	<b>Visit to the weather station</b> 16.- Snow 17.- Snow	
8	Mar 01 – Mar 05	18.- Snow 19.- Water in soils 20.- Water in soils	
9	Mar 08 – Mar 12	21.- Water in soils 22.- Water in soils 23.- Groundwater	
10	Mar 15 – Mar 19	24.- Groundwater 25.- Groundwater 26.- Groundwater	
11	Mar 22 – Mar 26	27.- Groundwater 28.- Groundwater 29.- <b>2<sup>nd</sup> Mid Term Exam</b>	
12	Mar 29 – Apr 02	30.- Evapotranspiration 31.- Evapotranspiration <b>Good Friday</b>	
13	Apr 05 – Apr 09	32.- Stream response 33.- Stream response 34.- Stream response	
14	Apr 12 – Apr 16	35.- Stream response 36.- Stream response 37.- Stream response	

### **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](mailto:suypaca@ucalgary.ca)
- SU Faculty Rep. Phone: 220-3913 and e-mail: [socialscirep@su.ucalgary.ca](mailto: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.