

GEOGRAPHY 121(001) – WINTER 2020

PHYSICAL GEOGRAPHY

Instructor: Samantha A. Kerr
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Schedule: **Class:** Monday, Wednesday and Friday, 8:30 – 9:20 am
Lab sections: Tuesday and Thursday, 9:30 – 10:20 am
(Note: You must attend the lab section that you have registered in)

Required Textbooks:

- 1) Strahler, Alan and O.W. Archibold. 2011. Physical Geography, 5th Canadian Edition. Wiley
- 2) Goode's World Atlas, 23rd edition. 2017. Chicago: McNally, 400 pp.

Description: Geography 121 is an introduction to the major concepts of physical geography. This course will investigate atmospheric, hydrological, biological, and geological processes and relationships that create the earth's landscapes. The course will also consider the interaction of human and physical processes.

Labs: There will be 5 lab exercises that are designed to illustrate key principles discussed in the lectures and lab sections. These labs will introduce students to the quantitative and practical aspects of physical geography, and focus on Canada's biophysical environment. Please note that **TA instructed** labs will start Tuesday/Thursday on the week of **January 20, 2020**.

Grading:

Lab exercises (6):	30%	
Midterm exam*:	30%	[February 26]
Lab quiz*:	10%	[April 7 or 9]
Final exam*:	30%	[April 20, 9:00 am]

*The lab quiz, midterm exam, and final exam are compulsory, failure to complete will result in a grade of NP for the course.

Course Schedule (tentative):

Unit	Topics [Text Chapter]	Lab & Exam Schedule
1	Introduction [1,2,3]	LAB 1
2	The atmosphere [4,5,6]	
3	Atmospheric circulation, Weather, Climate [7,8]	LAB 2
4	Climate classification, Climate change [8]	LAB 3
5	The hydrological cycle [15]	
6	Rivers and fluvial landforms [15,16]	LAB 4 MIDTERM
7	Geological basis of physical geography [11,12,13]	
8	Weathering, Slope processes, Glaciers [14,18]	LAB 5
9	Periglacial, aeolian, and coastal geomorphology [17, 18]	LAB 6
10	Biogeography [20, 21, 22]	
11	Soil types and processes [19]	LAB QUIZ
12	Course review	