GEOG 373

Spring 2024

Instructors: Ben Paquette-Struger, Chris Krasowski, Vida Khalilian, David Atkinson

Lab Instructor (TA): Osamu Kabayama

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Atkinson office hours: Tues 13:00-14:00 and Wed 13:00 – 14:00,

data must be analyzed for errors and then “reduced” to the form required to answer the questions at hand. Non-meteorological factors must also be considered, for example, the orientation of a slope which will determine local precipitation and radiation departures from a regional average that you may calculate from some weather station several kilometers away.

This course takes the next step in the weather and climate overview that you received in GEOG272. Using concepts developed in that course, GEOG373 moves on to determine how they can be more directly applied to many questions in daily life. The mechanisms by which these sorts of analyses are conducted are also covered. *There* _ Readings from the text and elsewhere will be regularly assigned. The course will generally follow these readings, and you should keep up with them. In class we will emphasize certain topics.

This course seeks to equip you with an understanding of how climate acts at the regional scale and how it interacts with other natural and human parameters/features to allow you to:

a) utilize computer analyses and tools to answer to manipulate data to help you answer questions about how climate affects certain sectors, and

b) think about various spheres of human and natural systems and understand how weather and climate act to influence.

1. Identify the basic climate controls, large-scale and small-scale, that act upon a given location.
2. Explain how these climate controls work to create a local-scale climate.
3. Be aware of various quality-control issues to be alert for when working with data.
4. Analyze and/or present data using a sophisticated programming language (Python).
5. Gain familiarity with how climate intersects human activities in severa0neain)5 (a)]TJ0 Tc 0 Tw 1.665 0[

Course outline

This is our objective but topics may be shuffled a bit as we progress. .

Wk	Date		Lab	Module
1	T Jan 9	Course intro and structure – concept map presentation	None	Process
	W Jan 10	Radiation	None	
	F Jan 12	Pressure and winds	None	
2	T Jan 16	Storms: Tropical Cyclone, MCS, tornado	Colab intro	
	W Jan 17	Storms: Extra-tropical Cyclones, advection	Colab intro	
	F Jan 19			

Dates, including drop dates: https://www.uvic.ca/calendar/dates/

Information about Academic Concessions

Academic Accommodations (Center Accessible Learning)

Academic Integrity, including plagiarism. Plagiarism won't be tolerated.

The full 2022/2023 Undergraduate Calendar

Students are required to abide by all academic regulations set as set out in the University calendar, including standards of academic integrity. Violations of academic integrity (e.g. cheating and plagiarism) are considered serious and may result in significant penalties.

The University of Victoria is committed to promoting critical academic discourse while providing a respectful and supportive learning environment. All members of the university community have the right to this experience and the responsibility to help create such an environment. The University will not tolerate racism, sexualized violence, or any form of discrimination, bullying or harassment.

Please be advised that, by logging into UVic's learning systems or interacting with online resources, and course-related communication platforms, you are engaging in a university activity.

All interactions within this environment are subject to the university expectations and policies. Any concerns about student conduct may be reviewed and responded to in accordance with the appropriate university policy.

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Grades	
A+ A A-	performance. Normally achieved by a minority of students. These grades indicate a student who is self-initiating, exceeds expectation and has an insightful grasp of the subject matter.
B+ B B-	performance. Normally achieved by the largest number of students. These grades indicate a good grasp of the subject matter or excellent grasp in one area balanced with satisfactory grasp in the other area.
C+ C	. These grades indicate a satisfactory performance and knowledge of the subject matter.
D+ D	Performance. A student receiving this grade demonstrated a superficial grasp of the subject matter.
COM	(pass). Used only for 0-unit courses and those credit courses designated by the Senate. Such courses are identified in the course listings.

** As stated in the 2009-2010 Calendar

A+	A	A-	B+	B	B-	C+	C	D	F
90-100%	85-89%	80-84%	77-79%	73-76%	70-72%	65-69%	60-64%	50-59%	49% or Less

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https://www.uvic.ca/socialsciences/geography/

planning guide:

https://www.uvic.ca/socialsciences/geography/undergraduate/advising/program-planning/index.php

: Dr. Shannon Fargey (camo@uvic.ca)

: Dr. Randy Scharien (randy@uvic.ca)

http://uvic.ca/services/cal/