



COURSE OUTLINE
Field Studies in Mountain Meteorology

As a visitor to these territories I express my gratitude and respect to the the lək'wəŋən peoples on whose traditional territory the university stands and the Songhees, Esquimalt and WSÁNEĆ peoples whose historical relationships with the land continue to this day.



This course has been designed to provide students with an immersive opportunity to understand the physical processes of meteorological phenomena in mountain environments. Measuring and monitoring of snowpack, extreme weather, and climate in coastal mountain ranges will be prominent course themes, along with challenges associated with alpine tourism operations due to weather and climate extremes and hazards. Our field camp is held on the traditional territories of 'Namgis First Nation. We are uninvited guests on these lands and are privileged to be venturing to this location to learn directly from them.

Class Meetings: Preparation Lecture (January) (~3 hrs)
Field camp February 17-24, 2023
*Schedule on Brightspace

Classroom: Mount Cain region, Vancouver Island

LEARNING OUTCOMES

At the conclusion of the course, you should be able to:

- Understand and explain principal mountain meteorological processes such as circulation and precipitation at variety of spatial scales;
- Use common types meteorological and snow surveying instrumentation to accomplish research objectives;
- Use primary and secondary data products to analyse meteorological phenomena and terrain features.
- Be able to confidently assess avalanche risk and understand the role of weather on this hazard.

REQUIRED TEXTS/LEARNING RESOURCES

There are required readings for this course. On Brightspace you will find links and descriptions of content you should reference to support your learning. Resources are all open-source and can be accessed online or from the UVic Library reserve. You will also be responsible for your own research regarding resources that specifically support your research project independent of the list provided.

EVALUATION

[1] Pre-reading Quiz	5%	Due: Feb 16
[2] Discovery in Mountain Meteorology A (individual)	2%	Due: Feb 16
[2] Discovery in Mountain Meteorology B (individual)	8%	Due: Feb 27
[3] Field Notebook/Daily Weather Obs (individual)	20%	Due: Feb 24
[4] Mountain Meteorology Topics Presentation (group)	10%	In field camp
[5] Human Radiosondes Activity (group)	15%	Due: March 10
[6] Final Research Project (group)	40%	Due: March 17

INSTRUCTOR INFORMATION

Dr. Shannon Fargey Department of Geography, DTB B308, fargey@uvic.ca or 250-721-7342

When emailing me please include 'GEOG 313: your name: brief subject' in the subject line, this helps me sort through emails and makes it easier to respond to your message. This helps me sort through emails and makes it easier to respond to your message. *It may take up to 48-hrs for a response. Please be patient. If you email after 12:00 pm on a Friday, do not expect a response until Monday.*

Office Hours: Tuesday 2:30-3:30 pm and Friday 9:00-11:00 am

I welcome you to come and discuss your ideas and questions anytime during this course, however because of the pandemic my 'normal' open-door policy is now a virtual one. Please use the office hour times above to drop in online or send me an email to make an appointment. If you cannot come in person, we can meet via zoom, however you need to set up an appointment in advance. Zoom link on Brightspace.

Profile: I am an Assistant Teaching Professor in the Geography Department. My role in the Department is primarily on program delivery, supporting student learning and discovery in Physical Geography, and Geomatics. I am passionate about hydrometeorological topics and field-based learning. To learn more

about me, and stay updated with exciting new studies in our field, please visit my website shannonfargey.com and follow me on Twitter @fargetmenot

COURSE COMMUNICATION

Brightspace learning management systems (LMS) will serve as the main avenue of communication in this course. This is where I will put important resources that I think will help you along including course information, topic handouts, important dates, announcements, lab materials, and TA information (email addresses and office hours). Please go here first and visit often. If you are having difficulty logging in or password problems, contact the Computer Help Desk Email: helpdesk@uvic.ca, Tel: 250-721-7687

GEOGRAPHY DEPARTMENT INFORMATION

Geography Department website <http://geog.uvic.ca>
Undergraduate Advising team geogadvising@uvic.ca
Department Chair: Dr. David Atkinson geogchair@uvic.ca

GRADING SYSTEM

As per the Academic Calendar:

Grade	Grade point value	Grade scale	Description
A+ A A-	9 8 7	90-100% 85-89% 80-84%	Exceptional, outstanding and excellent 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-	6 5 4	77-79% 73-76% 70-72%	Very good, good and solid 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	3 2	65-69% 60-64%	Satisfactory, or minimally satisfactory. These grades indicate a satisfactory performance and knowledge of the subject matter.
D	1	50-59%	Marginal Performance. A student receiving this grade demonstrated a superficial grasp of the subject matter.
F	0	0-49%	Unsatisfactory performance. Wrote final examination and completed course requirements; no supplemental.
N	0	0-49%	Did not write examination or complete course requirements by the end of term or session; no supplemental.

IMPORTANT COURSE POLICIES

Students must complete all evaluation components to obtain credit. Failure to complete any evaluation component without permission from the instructor, will result in an 'N' grade, which equals a Grade Point Value of 0.

Late assignments will be penalized 20% per day (including weekends and holidays). Exceptions will only be granted for documented medical or compassionate reasons. Please inform the instructor of your situation promptly and present written proof within five working days. Only the course instructor can grant exceptions.

As an Instructor, I can refuse a student admission to a lecture, laboratory, learning activity or exam because of lateness, misconduct, inattention or failure to meet the responsibilities of the course. Students who neglect their academic work may be assigned a final grade of 'N' (which equals a Grade Point Value of 0) or debarred from final examinations. Please refer to the UVic academic calendar in the section on student academic conduct for further information.

Cell phones must be turned off or silenced during lectures and labs and ONLY be used during field activities if pertinent to do so.

Conflicts with holidays or travel plans are not considered an acceptable reason to apply for a deferred exam or assignment extension.

Unless otherwise stated students are expected to complete assignments independently.

PLAGIARISM

Academic dishonesty (plagiarism, cheating) is a very serious matter in any academic institution and is dealt with severely at the University of Victoria. The responsibility of the institution: Instructors and academic units have the responsibility to ensure that standards of academic honesty are met. By doing so, the institution recognizes students for their hard work and assures them that other students do not have an unfair advantage through cheating on essays, exams, and projects. The responsibility of the student: Plagiarism sometimes occurs due to a misunderstanding regarding the rules of academic integrity, but it is the responsibility of the student to know them. If you are unsure about the standards for citations, for referencing your sources, or unauthorized use of an editor, please familiarize yourself with the University policy on academic integrity found in the Undergraduate Calendar at the following website. <http://web.uvic.ca/calendar/undergrad/info/regulations/academic-integrity.html>.

Please contact me if you have any questions.

Infractions will be dealt with in accordance with University policy. Commonly, the penalty for any form of cheating/plagiarism is a grade of F on the tests or laboratory assignments, or a final grade of F in the course. However, depending on the severity of the case other penalties may include a record on the student's transcript or expulsion.

ACCESSIBILITY

Students with diverse learning styles and needs are welcome in this course. In particular, if you have a documented disability/health consideration that may require accommodations, please feel free to approach me and/or the Centre for Accessible Learning (CAL) as soon as possible. The CAL staff are available by appointment to assess specific needs, provide referrals and arrange appropriate accommodations <http://www.uvic.ca/services/cal/>. The sooner you let us know your needs the quicker we can assist you in achieving your learning goals in this course.

POSITIVITY AND SAFETY

The University of Victoria is committed to promoting, providing and protecting a positive and safe learning and working environment for all its members. To ensure that all class members feel welcomed and equally able to contribute to class discussions, we will all endeavour to be respectful in our language, our examples, and the manner in which we conduct our discussions and group work. If you have any concerns about the climate of the class, please contact me.

COURSE EXPERIENCE SURVEY (CES)

We value your feedback on this course. Towards the end of term, as in all other courses at UVic, you will have the opportunity to complete an anonymous survey regarding your learning experience (CES). The survey is vital to providing feedback to me regarding the course and my teaching, as well as to help the department improve the overall program for students in the future. The survey is accessed via MyPage and can be done on your laptop, tablet, or mobile device. I will remind you and provide you with more detailed information nearer the time but please be thinking about this important activity during the course.

DISCLAIMER

The presented schedules, policies, procedures, and assignments in this course are subject to change in the event of extenuating circumstances.

University of Victoria Important Dates

Jan 25– Last day for adding courses that begin in the first term.

Feb 28 - Last day for withdrawing from first term courses without penalty of failure

Additional important dates can be accessed through the link below.

<https://www.uvic.ca/calendar/dates/>