



## COURSE OUTLINE

### 1. **Course:** GOPH 375, Natural Disasters and Critical Earth Phenomena - Spring 2021

Lecture 01: TR 13:00 - 15:45 - Online

Instructor	Email	Phone	Office	Hours
Dr. Makram Hedhli	mhedhli@ucalgary.ca	TBA	EEEL 127	TBA

### Online Delivery Details:

Some aspects of this course are being offered in real-time via scheduled meeting times. For those aspects you are required to be online at the same time.

To help ensure Zoom sessions are private, do not share the Zoom link or password with others, or on any social media platforms. Zoom links and passwords are only intended for students registered in the course. Zoom recordings and materials presented in Zoom, including any teaching materials, must not be shared, distributed or published without the instructor's permission.

This course has a registrar scheduled, synchronous final exam. The writing time is 1 hours + 50% buffer time.

**Class time:** New recorded lectures (Yuja or PowerPoint with voice-over ) with additional PDF's will be posted on D2L Tuesdays and Thursdays of every week before noon.

Textbook is recommended, **Not required**. Scan through the Chapters for the figures that you recognize from our lectures - read the accompanying text for those sections.

**\*\*\*\*Exams cover materiel from lectures ppt slides and PDF's use them as your primary source.**

### Teaching assistant:

Susanne Ouellet, P.Eng. (She/Her)

Email: Susanne.ouellet2@ucalgary.ca

**\*\*\*\***Susanne will be helping to address general inquiries and acting **as the primary** contact for questions regarding the course materiel. She offers 3 office hours weekly, via zoom. **Students are encouraged** to use these sessions to ask their questions about the course materiel.

For general inquiries regarding class, exams etc .. Please CC Susanne to email messages.

TA office hours via Zoom on Tuesdays and Thursdays 12:00-1:30 PM, except on midterm week.

**\*\***In Midterm Exam weeks, TA office hours via Zoom will be held on Tuesdays and **Wednesdays** 12:00-1:30 PM

TA will post a link to each Zoom session on D2L News section.

### Course Site:

D2L: GOPH 375 L01-(Spring 2021)-Natural Disasters and Critical Earth Phenomena

**Note:** Students must use their U of C account for all course correspondence.

2. **Requisites:**

See section [3.5.C](#) in the Faculty of Science section of the online Calendar.

3. **Grading:**

The University policy on grading and related matters is described in [F.1](#) and [F.2](#) of the online University Calendar.

In determining the overall grade in the course the following weights will be used:

Component(s)	Weighting %	Date
Midterm Exam I	33%	Thursday May 20th at 1pm -2:30 pm
Midterm Exam II	33%	Thursday June 3rd at 1pm- 2:30 pm
Final Exam	34%	scheduled by registrar <sup>1</sup>

**EXAMS ARE SYNCHRONOUS.**

\*\*Multiple choice exams will be posted on D2L on the day of the exam at 1pm and available for 90min on D2L to be submitted before 2:30pm the same day.

\*\*The duration of the Midterm Exams will be 1h plus 30min buffer time

Final Exam is scheduled by the registrar.

**\*\*Only 1 attempt is allowed. Once the student log in he/she has to finish the exam and submit it before the timer is done.**

\*\*\*Exams are NOT cumulative

Each piece of work (reports, assignments, quizzes, midterm exam(s) or final examination) submitted by the student will be assigned a grade. The student's grade for each component listed above will be combined with the indicated weights to produce an overall percentage for the course, which will be used to determine the course letter grade.

The conversion between a percentage grade and letter grade is as follows.

	A+	A	A-	B+	B	B-	C+	C	C-	D+	D
<b>Minimum % Required</b>	94 %	88 %	83 %	78%	73%	69 %	65 %	61%	56%	53 %	50 %

Percentage will not be rounded to the upper limit if they don't meet the minimum required for a letter grade.

For example 72.9% is a (B-) .

This course will have a final exam that will be scheduled by the Registrar. [The Final Examination Schedule](#) will be published by the Registrar's Office approximately one month after the start of the term. The final exam for this course will be designed to be completed within 1 hours.

The final exam will be administered using an on-line platform. Per section [G.5](#) of the online Academic Calendar, timed final exams administered using an on-line platform, such as D2L, will be available on the platform. Due to the scheduling of the final exams, the additional time will be added to **the end** of the registrar scheduled **synchronous** exam to support students. This way, your exam schedule accurately reflects the **start time** of the exam for any **synchronous** exams. E.g. If a **synchronous** exam is designed for 2 hours and the final exam is scheduled from 9-11am in your student centre, the additional time will be added to the **end** time of the **synchronous** exam. This means that if the exam has a 1 hour buffer time, a synchronous exam would start at 9 am and finish at 12pm.

4. **Missed Components Of Term Work:**

The university has suspended the requirement for students to provide evidence for absences. Please do not attend medical clinics for medical notes or Commissioners for Oaths for statutory declarations.

In the event that a student legitimately fails to submit any online assessment on time (e.g. due to illness etc...), please contact the course coordinator, or the course instructor if this course does not have a coordinator to arrange for a re-adjustment of a submission date. Absences not reported within 48 hours will not be accommodated. If an excused absence is approved, one possible arrangement is that the percentage weight of the legitimately missed assignment could also be pro-rated among the components of the course. This option is at the discretion of the coordinator and may not be a viable option based on the design of this course.

**5. Scheduled Out-of-Class Activities:**

There are no scheduled out of class activities for this course.

**6. Course Materials:**

Recommended Textbook(s):

Abbott and Samson 9781259649028, *Natural Disasters 4th Canadian Edition*: 18 Edition: 4 Binding: Looseleaf.

**GOPH 375 Natural Disasters and Earth Phenom Spring 2021**

Lecture and Midterm Exam Schedule

week	Date	Topic	Text Readings
1	Thursday May 6	Lec 1: Intro and logistics, trends Lec 2: Earth's interior and faults	Chapter 1, start of Chapter 2
2	Tuesday May 11	Lec 3: Evidence for plate tectonics Lec 4: Magnetic field and hot spots	Chapter 2
	Thursday May 13	Lec 5: Tectonic cycles and forces Lec 6: Types of earthquakes	Chapter 3, parts of Chapter 4
3	Tuesday May 18	Lec 7: Seismic waves Lec 8: EQ magnitude and energy	Chapter 3
	Thursday May 20	<b>MIDTERM I</b>	1:00 pm -2:30 pm
4	Tuesday May 25	Lec 9: EQ building guidelines Lec 10: Volcano types	parts of Chapter 4 Chapter 5
	Thursday May 27	Lec 11: Volcanic hazards Lec 12: Cascade volcanoes	Chapter 5
5	Tuesday June 1	Lec 13: Volcanic monitoring Lec 14: Causes of tsunami	Chapter 6 chapter 7
	Thursday June 3	<b>MIDTERM II</b>	1:00 pm - 2:30 pm
6	Tuesday June 8	Lec 15: Tsunami case studies Lec 16: Types of mass movement	Chapter 7 Chapter 13
	Thursday June 10	Lec 17: Slope stability and mitigation Lec 18: Climate and drought	Chapter 13 Chapter 8-9
	Tuesday June 15	Lec 19: Thunderstorms and tornados Lec 20: Flooding	Chapter 9 Chapter 11
7	Thursday June 17	Lec 21: Hurricanes Lec 22: Meteorite impacts	Chapter 10, Chapter 14
<b>Final Exam</b>			scheduled by registrar

In order to successfully engage in their learning experiences at the University of Calgary, students taking online, remote and blended courses are required to have reliable access to the following technology:

- A computer with a supported operating system, as well as the latest security, and malware updates;
- A current and updated web browser;
- Webcam/Camera (built-in or external);
- Microphone and speaker (built-in or external), or headset with microphone;
- Current antivirus and/or firewall software enabled;
- Stable internet connection.

For more information please refer to the UofC [ELearning](#) online website.

## 7. Examination Policy:

No aids are allowed on tests or examinations.

Students should also read the Calendar, [Section G](#), on Examinations.

## 8. Approved Mandatory And Optional Course Supplemental Fees:

There are no mandatory or optional course supplemental fees for this course.

## 9. Writing Across The Curriculum Statement:

For all components of the course, in any written work, the quality of the student's writing (language, spelling, grammar, presentation etc.) can be a factor in the evaluation of the work. See also Section [E.2](#) of the University Calendar.

## 10. Human Studies Statement:

Students will not participate as subjects or researchers in human studies.

See also [Section E.5](#) of the University Calendar.

## 11. Reappraisal Of Grades:

A student wishing a reappraisal, should first attempt to review the graded work with the Course coordinator/instructor or department offering the course. Students with sufficient academic grounds may request a reappraisal. Non-academic grounds are not relevant for grade reappraisals. Students should be aware that the grade being reappraised may be raised, lowered or remain the same. See [Section I.3](#) of the University Calendar.

- a. **Term Work:** The student should present their rationale as effectively and as fully as possible to the Course coordinator/instructor within **ten business days** of either being notified about the mark, or of the item's return to the class. If the student is not satisfied with the outcome, the student shall submit the Reappraisal of Graded Term work form to the department in which the course is offered within 2 business days of receiving the decision from the instructor. The Department will arrange for a reappraisal of the work within the next ten business days. The reappraisal will only be considered if the student provides a detailed rationale that outlines where and for what reason an error is suspected. See sections [I.1](#) and [I.2](#) of the University Calendar
- b. **Final Exam:** The student shall submit the request to Enrolment Services. See [Section I.3](#) of the University Calendar.

## 12. Other Important Information For Students:

- a. **Mental Health** The University of Calgary recognizes the pivotal role that student mental health plays in physical health, social connectedness and academic success, and aspires to create a caring and supportive campus community where individuals can freely talk about mental health and receive supports when needed. We encourage you to explore the mental health resources available throughout the university community, such as counselling, self-help resources, peer support or skills-building available through the SU Wellness Centre (Room 370, MacEwan Student Centre, [Mental Health Services Website](#)) and the Campus Mental Health Strategy website ([Mental Health](#)).
- b. **SU Wellness Services:** For more information, see [www.ucalgary.ca/wellnesscentre](http://www.ucalgary.ca/wellnesscentre) or call [403-210-9355](tel:403-210-9355).
- c. **Sexual Violence:** The Sexual Violence Support Advocate, Carla Bertsch, can provide confidential support and information regarding sexual violence to all members of the university community. Carla can be reached by email ([syva@ucalgary.ca](mailto:syva@ucalgary.ca)) or phone at [403-220-2208](tel:403-220-2208). The complete University of Calgary policy on sexual violence can be viewed at (<https://www.ucalgary.ca/policies/files/policies/sexual-violence-policy.pdf>)
- d. **Misconduct:** Academic integrity is the foundation of the development and acquisition of knowledge and is based on values of honesty, trust, responsibility, and respect. We expect members of our community to act with integrity. Research integrity, ethics, and principles of conduct are key to academic integrity. Members of our campus community are required to abide by our institutional [Code of Conduct](#) and promote academic integrity in upholding the University of Calgary's reputation of excellence. Some examples of academic misconduct include but are not limited to: posting course material to online platforms or file sharing without the course instructor's consent; submitting or presenting work as if it were the student's own work; submitting or presenting work in one course which has also been submitted in another course without the instructor's permission; borrowing experimental values from others without the instructor's approval; falsification/fabrication of experimental values in a report. Please read the following to inform yourself more on academic integrity:

[Student Handbook on Academic Integrity](#)  
Student Academic Misconduct [Policy](#) and [Procedure](#)  
[Research Integrity Policy](#)

Additional information is available on the [Student Success Centre Academic Integrity page](#)

- e. **Academic Accommodation Policy:** Students needing an accommodation because of a disability or medical condition should contact Student Accessibility Services in accordance with the procedure for accommodations for students with disabilities available at [procedure-for-accommodations-for-students-with-disabilities.pdf](#).

Students needing an accommodation in relation to their coursework or to fulfill requirements for a graduate degree, based on a protected ground other than disability, should communicate this need, preferably in writing, to the Teaching Professor of the Department of Geoscience, Jennifer Cuthbertson by email [cuthberj@ucalgary.ca](mailto:cuthberj@ucalgary.ca) or phone 403-220-4709. Religious accommodation requests relating to class, test or exam scheduling or absences must be submitted no later than **14 days** prior to the date in question. See [Section E.4](#) of the University Calendar.

- f. **Freedom of Information and Privacy:** This course is conducted in accordance with the Freedom of Information and Protection of Privacy Act (FOIPP). Students should identify themselves on all written work by placing their name on the front page and their ID number on each subsequent page. For more information, see [Legal Services](#) website.

- g. **Student Union Information:** [VP Academic](#), Phone: [403-220-3911](tel:403-220-3911) Email: [suvpaca@ucalgary.ca](mailto:suvpaca@ucalgary.ca). SU Faculty Rep., Phone: [403-220-3913](tel:403-220-3913) Email: [sciencerep@su.ucalgary.ca](mailto:sciencerep@su.ucalgary.ca). [Student Ombudsman](#), Email: [ombuds@ucalgary.ca](mailto:ombuds@ucalgary.ca).

- h. **Surveys:** At the University of Calgary, feedback through the Universal Student Ratings of Instruction ([USRI](#)) survey and the Faculty of Science Teaching Feedback form provides valuable information to help with evaluating instruction, enhancing learning and teaching, and selecting courses. Your responses make a difference - please participate in these surveys.

- i. **Copyright of Course Materials:** All course materials (including those posted on the course D2L site, a course website, or used in any teaching activity such as (but not limited to) examinations, quizzes, assignments, laboratory manuals, lecture slides or lecture materials and other course notes) are protected by law. These materials are for the sole use of students registered in this course and must not be redistributed. Sharing these materials with anyone else would be a breach of the terms and conditions governing student access to D2L, as well as a violation of the copyright in these materials, and may be pursued as a case of student academic or [non-academic misconduct](#), in addition to any other remedies available at law.

Electronically Approved - May 03 2021 10:57

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**Department Approval**