



COURSE OUTLINE

1. **Course:** GLGY 599.36, Contemporary Topics in Geology - Spring 2023, Topic: Hawaiian Volcanoes

Lecture 02 :

Instructor	Email	Phone	Office	Hours
Dr Rajeev Sasidharan Nair	mair@ucalgary.ca	403 220-4823	ES 152	By appointment

This is a field based course that takes place in the Big Island (Hawaii) from May 22, 2023 to June 3, 2023. All of the components of this course takes place in-person.

To account for any necessary transition to remote learning for the current semester, courses with in-person lectures, labs, or tutorials may be shifted to remote delivery for a certain period of time. In addition, adjustments may be made to the modality and format of assessments and deadlines, as well as to other course components and/or requirements, so that all coursework tasks are in line with the necessary and evolving health precautions for all involved (students and staff).

In Person Delivery Details:

Field work component of the course is conducted in the Big Island (Hawaii) from May 22-June 3, 2023.

Pre-departure meeting is held on May 12, 2023 in ES 524 from 9 am.

Post-departure meeting is tentatively scheduled for June 16th in ES 524 from 10 am.

Re-Entry Protocol for Labs and Classrooms:

To limit the spread of COVID-19 on campus, the University of Calgary has implemented safety measures to ensure the campus is a safe and welcoming space for students, faculty and staff. The most current safety information for campus can be found [here](#).

Course Site:

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

Equity Diversity & Inclusion:

The University of Calgary is committed to creating an equitable, diverse and inclusive campus, and condemns harm and discrimination of any form. We value all persons regardless of their race, gender, ethnicity, age, LGBTQIA2S+ identity and expression, disability, religion, spirituality, and socioeconomic status. The Faculty of Science strives to extend these values in every aspect of our courses, research, and teachings to better promote academic excellence and foster belonging for all.

2. **Requisites:**

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

Prerequisite(s):

78 units and consent of the Department. MAY BE REPEATED FOR CREDIT

Students are expected to know geological field techniques (navigation, making descriptions in the field etc.)

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:

Course Component	Weight	Due Date (duration for exams)	Modality for exams	Location for exams
Field + office/camp assignments ¹	40%	Ongoing		
Field Book ²	20%	Ongoing		
Participation/engagement	15%	Ongoing		
Social Volcanology Project/Oral presentation ³	25%	Ongoing		

¹ All assignments are due by June 4, 11 am.

² Hand in the field book for grading after return to campus.

³ This presentation will take place during the post-field trip meeting (tentatively scheduled on June 16th). Date will be confirmed based on the travel plans of the participants.

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
Minimum % Required	94 %	88 %	83 %	78%	73%	69 %	65 %	61%	56%	53 %	49 %

Each piece of work (assignments, reports) submitted by the student will be assigned a percentage score based on a grading rubric using a 5 point scale.

This is a field based course. The course cannot be completed successfully without attending the field work component of the course. There are no make-up exercises for missing field work. Students must ensure that their travel documents are in order for entering USA so as not to miss the field work component of the course.

Students will need to complete all assessment components to get a passing grade.

The University of Calgary offers a [flexible grade option](#), Credit Granted (CG) to support student's breadth of learning and student wellness. Faculty units may have additional requirements or restrictions for the use of the CG grade at the faculty, degree or program level. To see the full list of Faculty of Science courses where CG is not eligible, please visit the following website: <https://science.ucalgary.ca/current-students/undergraduate/program-advising/flexible-grading-option-cg-grade>

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 or in-person 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.

This is a field based course. The course cannot be completed successfully without attending and completing the field work components. There are no make-up exercises for missing field work. Students must ensure that their travel documents are in order for entering United States so as not to miss the field work component of this course.

5. Scheduled Out-of-Class Activities:

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

There is a pre-departure orientation for the course participants on May 12 (9 am in ES 524) to go through logistics and field safety information.

There is a post-field trip meeting for the final presentation, which will be conducted on a day that fits the schedule of all the participants (tentatively scheduled for June 16, 10 am ES 524).

6. **Course Materials:**

There are no textbooks for this course. A field guide will be supplied as part of the course. Students are expected to follow the discussions in the field as well as read some materials online.

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:**

There are no formal examinations for this course.

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.

The quality of the students writing in the assignments and clarity of communication in writing field note books will be a factor in the assignment of grades for individual components of the course.

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.

- 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
- 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:**

- 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 their [website](#) 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 (svsa@ucalgary.ca) or phone at [403-220-2208](tel:403-220-2208). The complete University of Calgary policy on sexual violence can be viewed [here](#).
- d. **Student Ombuds Office:** A safe place for all students of the University of Calgary to discuss student related issues, interpersonal conflict, academic and non-academic concerns, and many other problems.
- e. **Student Union Information:** [SU contact](#), Email your SU Science Reps: science1@su.ucalgary.ca, science2@su.ucalgary.ca, science3@su.ucalgary.ca,
- f. **Academic Accommodation Policy:**

It is the student's responsibility to request academic accommodations according to the University policies and procedures listed below. The student accommodation policy can be found at: <https://www.ucalgary.ca/legal-services/sites/default/files/teams/1/Policies-Student-Accommodation-Policy.pdf>

Students needing an accommodation because of a disability or medical condition should communicate this need to Student Accessibility Services in accordance with the Procedure for Accommodations for Students with Disabilities: <https://www.ucalgary.ca/legal-services/sites/default/files/teams/1/Policies-Accommodation-for-Students-with-Disabilities-Procedure.pdf>.

Students needing an accommodation in relation to their coursework or to fulfil requirements for a graduate degree, based on a Protected Ground other than Disability, should communicate this need, by filling out the [Request for Academic Accommodation Form](#) and sending it to Brandon Karchewski by email brandon.karchewski@ucalgary.ca preferably 10 business days before the due date of an assessment or scheduled absence.

- g. **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](#)
[Faculty of Science Academic Misconduct Process](#)
[Research Integrity Policy](#)

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

- h. **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.
- i. **Freedom of Information and Privacy:** This course is conducted in accordance with the Freedom of Information and Protection of Privacy Act (FOIP). 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.
- j. **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.

Tentative itinerary

Day	Date	Location	Logistical comments and connection to academic content	Minimum number of instructional hours
0	May 23	Calgary-Hilo	Travel to Hilo	0
1	May 24	Hawaii Volcano National Park	Logistic: Day Trip to Hawaii Volcano National Park (HVNP) Academic: Overview of geology of Kilauea, Rift Zones, Kilauea Caldera, Halemaumau Trail	5
2	May 25	Hawaii Volcano National Park	Logistic: Day trip to HVNP Academic: Pre-historic explosive volcanic deposits: field observations and measurements; Visit with HVO scientist (Dr. Kendra Lynn)	5
3	May 26	Hawaii Volcano National Park	Logistic: Day trip to HVNP Academic: Kilauea Iki fossil lava lake, Devastation Trail	5
4	May 27	Mauna Loa	Logistic: Day trip to Mahana Bay Academic: Stratigraphy of Green Sands Beach	5
5	May 28	East Rift Zone	Logistic: Day trip to East Rift zone Academic: Stratigraphy of Sandhills; Lava tree National Park; survey of 2018 eruption location	4
6	May 29	Hawaii Volcano National Park	Logistic: Day trip to East Rift Zone Academic: Mapping of Mauna Ulu, Muliwai a Pele, view active lava flow/visit Nanawale littoral cones	5
7	May 30	Mauna Kea	Logistic: Day trip to Mauna Kea Academic: Kaumana Caves; Field visit to saddle between Mauna Loa and Mauna Kea	5
8	May 31	Hualalai	Logistic: Hualalai Academic: Puu Wa Awaa	5
9	June 1	Hawaii Volcano National Park	Logistic: Day trip to Kau Desert Academic: Mapping in the SW rift zone	5
10	June 2	Kohala coast	Logistic: Day Trip to Kohala Academic: Evolved magmas of Kohala	5
11	June 3	Volcano	Logistic: Flex day Academic: make up day for field work work day for completing assignments	3
12	June 4	Hilo	Logistic: depart for Hilo Airport 11 am Academic: all assignments due by 11 am	0

Electronically Approved - May 03 2023 09:46

Department Approval