

Natural Hazards

Fall 2024 Syllabus

	Thursday, 3:00 PM - 6:00 PM	In Person: KW 110

Refer to ACORN for the most up-to-date information about the location of the course meetings.

Prof. Mandana (Mandy) Meriano

m.meriano@utoronto.ca

416-208-2775

Wednesday 10am-12pm Zoom Meeting

<https://utoronto.zoom.us/j/89696610251> Meeting ID: 896 9661 0251 Passcode: 689879

Lecture on September 05 will be Online (Synchronous): Thursday 3-6pm

Zoom Meeting Details: <https://utoronto.zoom.us/j/83536196990> Meeting ID: 835 3619 6990

Passcode: 255326

Ratnajit Saha

ratnajit.saha@mail.utoronto.ca

TBA

Please allow 24-48 hours for response during regular hours. Please include the course code in the subject line of the email.

This course is an investigation of the geological background and possible solutions to major hazards in the environment.

Environmental hazards to be studied include: landslides, erosion, earthquakes, volcanic eruptions, asteroid impacts, flooding, glaciation, future climate change, subsidence, and the disposal of toxic wastes. This may be of interest to a wide range of students in the life, social, and physical sciences; an opportunity for the non-specialist to understand headline-making geological events of topical interest. No prior knowledge of the Earth Sciences is required.

By the end of the course students will have developed an understanding of natural hazards. The course aims to give learners a clear conceptualization of the basic issues surrounding the causes, effect and possible management of environmental hazards.

: None

: None

(EESA05H3), GLG103H

: None

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Required textbook: Keller, E.A., and DeVecchio, D.E. 2019. Natural Hazards Earth's Processes as Hazards, Disasters, and Catastrophes, 5/E. Routledge.

The course textbook is available from the UTSC Bookstore.

Digital version of the textbook can be purchased here:

	20%	Term Test 1 is based on material covered in lectures and readings up to and including the class before the Term Test. Term Test 1 will consist of multiple choice questions.	2024-10-17
	20%	Term Test 1 is based on material covered in lectures and readings up to and including the class before the Term Test. Term Test 2 will be in written format.	2024-11-07
	35%	The final exam will be based on all term material (including readings and lectures). The final exam will consist of multiple choice and short answers.	Final Exam Period

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October 17	– during class time
October 24	Tsunamis Ch.4
November 07	– during class time Floods Ch. 6
November 14	(online/Quercus) Coastal erosion Ch. 11
November 21	Climate change Chs.9, 12
November 28	(online/Quercus) Complete any remaining lecture material - and begin Asteroids and mass extinction (time allowing) Ch.14

on traits related to race, religion, ancestry, place of origin, colour, ethnic origin, citizenship, creed, sex, sexual orientation, gender identity, gender expression, age, marital status, family status, disability, receipt of public assistance or record o

The use of generative artificial intelligence tools or apps for assignments in this course, including tools like ChatGPT, Gemini, Microsoft Copilot and other AI writing or coding assistants, is prohibited.

Use of generative AI in this course may be considered use of an unauthorized aid, which is a form of cheating.

Students may be asked to explain their work at a meeting with the instructor.

This course policy is designed to promote your learning and intellectual development and to help you reach the course learning outcomes.

The University treats cases of cheating and plagiarism very seriously. The University of Toronto's Code of Behaviour on Academic Matters (<http://www.governingcouncil.utoronto.ca/policies/behaveac.htm>) outlines the behaviours that constitute academic dishonesty and the processes for addressing academic offences.

Potential offences in papers and assignments include using someone else's ideas or words without appropriate acknowledgement, submitting your own work in more than one course without the permission of the instructor, making up sources or facts, obtaining or providing unauthorized assistance on any assignment.

On tests and exams, cheating includes using or possessing unauthorized aids, looking at someone else's answers during an exam or test, misrepresenting your identity, or falsifying or altering any documentation required by the University.