

Volcanoes GEOS 120 FALL 2008

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Hours: Tues and Thurs 1:00-2:00 PM

Time and place: NSF 201, Tues and Thurs. 2:00-3:30 PM, Nov. 11-Dec. 11

Grading for Part C: Final Exam (volcanoes only), Dec. 11	50%
Labs	35%
Quizzes (Nov. 13, 20, Dec. 4)	15%

The state of Alaska hosts one of the most volcanically active regions in the world. Volcanism is a spectacular, awe-inspiring, dangerous, and critical process that sustains and affects all lives on the planet. This course is designed to give you a taste of what volcanoes are, where they occur, what volcanologists do, and why you should be interested in and care about volcanoes. The quizzes and final will be based entirely on lectures and lecture notes. Make-up quizzes will be given in your lab section, similarly to the Earthquakes section of the class. ***You must be present in class Dec. 11 to take the final exam!***

<u>Date</u>	<u>Topic</u>
November 11	Introduction and types of volcanoes <i>Volcanoes: Why we study volcanoes, definitions, and anatomy.</i> Lecture notes 1.
Nov. 13, 18, 20	Volcanoes, landscapes, magmas, and deposits <i>Where they occur (and why), what's inside, and what comes out.</i> Lecture notes 2, 3, and 4.
Nov. 25, Dec. 2	Volcano hazards and monitoring <i>Exploration of what makes volcanoes so dangerous, and why we watch them closely.</i> Lecture notes 5 and 6.
Dec. 4	Vesuvius volcano, Italy: A case study <i>Vesuvius volcano is one of the most dangerous in the world. This lecture will tie together what you have learned, in order to examine this volcano and its potential societal impacts.</i> Lecture notes 7
Dec. 9	The 2008 eruption of Okmok volcano, Alaska <i>July 12th, 2008. Okmok volcano in the central Aleutians erupted suddenly and violently, putting local residents at risk. This lecture will provide an overview about the most recent, spectacular eruption of one of our state's very own volcanoes, and how it's effects were seen globally.</i> Lecture notes 8
Dec. 11	Final Exam