

460:203 Natural Disasters Syllabus

Professor Alexander Gates Lecture: TTh 11:30-12:50pm

Office: 136 Smith Hall Room: 123 Ackerson Hall

Hours: TTh 10:30-11:00 am

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RECOMMENDED TEXTBOOK: Encyclopedia of Earthquakes and Volcanoes, 3rd Edition, by Gates and Ritchie. Readings posted on Blackboard.

GRADING: 10% attendance/participation, 2 exams (20% each), 1 short paper (20%), and a comprehensive final exam (30%). Attendance is mandatory; no make-up exams given.

WEEK	TOPICS	READING
1/21	Introduction: Science and Society	
1/23-1/28	Plate Tectonics and World Geography	reading 1
1/30-2/4	Earthquakes: Causes and Theory	reading 2
2/6-2/11	Great Earthquakes and their Aftermath	reading 3
2/13	Videos: Earthquakes	
2/20	Review	
2/25	Exam 1	
2/20-2/27	Volcanoes: Architecture, Processes, Rocks	reading 4
3/4-3/6	Great Volcanoes and their Aftermath	reading 5
3/11	Video: Volcano: Nature's Inferno Paper Topic Due	
3/13	Exam 2	
3/25	Mass Wasting: Theory	reading 6
3/27	Video: Thunder on the Mountain	
4/1	Landslides and Avalanches	reading 7
4/3-4/10	Storms and Weather	reading 8
4/15	Paper Due	
4/15	Video: Tornado! Hurricane! Flood!	
4/17-4/22	Great Hurricanes and Tornadoes	reading 9
4/24	Climate Change	reading 10
4/29	Extraterrestrial Impacts	
5/1	Video: Asteroids: Deadly Impact	
5/6	Review	
	Final Exam (as scheduled)	