

CLASS SCHEDULE (FALL 2009)

GEOL 007 EARTH HAZARDS

revision 8/30/09

1-Sept HAZARDS OF THE SEMESTER intro survey week 1	3-Sept INTRODUCTIONS, RISKS, AND CLASS STRUCTURE
8-Sept EARTHQUAKES week 2 VIDEO = When the Earth Shakes, National Geographic READING = Wrath of the Gods, July 2000, National Geographic, p. 32-70 – E-RESERVE READING = Geology and the Environment 5e, CHAPTER 3 Plate Tectonics and CHAPTER 4 Earthquakes – YOUR BOOK	10-Sept EARTHQUAKES
15-Sept VOLCANOES week 3 QUIZ 1 VIDEO = Volcano, National Geographic READING = John McPhee, Control of Nature, Cooling the Lava – YOUR BOOK READING = Geology and the Environment 5e, CHAPTER 5 Volcanoes – YOUR BOOK	17-Sept VOLCANOES
22-Sept HURRICANES week 4 QUIZ 2 VIDEO = Hurricane, Discovery Channel READING = Dissecting a hurricane, March 2000, Scientific American, p. 80-85 – E-RESERVE READING = Perfect Storm, first half of book – YOUR BOOK READING = Geology and the Environment 5e, CHAPTER 10 Coasts, p. 265-266, 293-299, and 304-305 – YOUR BOOK	24-Sept HURRICANES
29-Sept NOR EASTERS week 5 QUIZ 3 VIDEO = The Perfect Storm, The Discovery Channel READING = Nor'easters, American Scientist, volume 81, September/October, 1993, p. 428-439 READING = Perfect Storm, second half of book – YOUR BOOK READING = Geology and the Environment 5e, CHAPTER 10 Coasts, p. 286-293 and 299 – YOUR BOOK	1-Oct NOR EASTERS Around Cape Horn, Mystic Seaport
6-Oct FLOODS week 6 QUIZ 4 VIDEO = The Awesome Power READING = After the Deluge, National Geographic, November, 1999, p. 108- 129. E-RESERVE READING = Geology and the Environment 5e, CHAPTER 9 Hydrologic Hazards – YOUR BOOK !!!!!! ONE PAGE PERFECT STORM PAPER DUE on TUESDAY IN CLASS !!!!!!!	8-Oct FLOODS VIDEO = Vermont's 1927 flood
13-Oct LANDSLIDES, MUDSLIDES and DEBRIS FLOWS week 7 QUIZ 5 VIDEO = Thunder on the Mountain, National Geographic READING = John McPhee, Control of Nature, Los Angeles Against the Mountains – YOUR BOOK READING = Geology and the Environment 5e, CHAPTER 7 Mass Wasting – YOUR BOOK	15-Oct LANDSLIDES, MUDSLIDES and DEBRIS FLOWS VIDEO= Armero
20-Oct NO CLASS week 10 NATIONAL GEOLOGIC MEETING	22-Oct NO CLASS NATIONAL GEOLOGIC MEETING
27-Oct ASTEROIDS week 8 QUIZ 6 VIDEO = Asteroids: deadly impact, National Geographic READING = Rain of Iron and Ice, chapters 13 and 14 – E-RESERVE	29-Oct ASTEROIDS
3-Nov TSUNAMIS week 9 QUIZ 7 VIDEO = Killer Wave, National Geographic READING = Tsunami!, May 1999, Scientific American, p. 56-65 AND Tsunami-wave of change, 2005, Scientific American, p. 56-63 – E-RESERVE READING = Geology and the Environment 5e, p, 281-286, 301-302 and 305-306 – YOUR BOOK	5-Nov TSUNAMIS
10-Nov AVALANCHES week 11 QUIZ 8 VIDEO = Avalanche, Discovery Channel READING = Discover Magazine, "Avalanche" – E-RESERVE READING = Geology and the Environment 5e, p. 195-197 – YOUR BOOK	12-Nov AVALANCHES
17-Nov GEOLOGIC CLIMATE CHANGE week 12 QUIZ 9 VIDEO = Rise and Fall of the Great Lakes READING = Abrupt Climate Change, Scientific American, p. 62-69 READING = Geology and the Environment 5e, p. 323-345 – YOUR BOOK	19-Nov HUMAN INDUCED CLIMATE CHANGE
24-Nov CLIMATE CHANGE week 13 QUIZ 10 VIDEO = Too hot not to handle READING = The human impact on climate, Scientific American, p. 98-105 – E-RESERVE AND Triumph of Fringe Science – E-RESERVE	26-Nov NO CLASS THANKSGIVING
1-Dec NUKES - Bombs, power, and people week 14 QUIZ 10 READING = Rain of Iron and Ice, Intro and Chapter 4 – E-RESERVE; The great radium scandal, August 1993, Scientific American, p. 94-99 – E-RESERVE and Infamy and honor at the atomic cafe, October, 1999, Scientific American, p 42-43 – E-RESERVE	3-Dec NUKES - Bombs, power, and people VIDEO = Atomic Café: Class will run until 1250 READING - reviews of Atomic Café – E-RESERVE READING = Geology and the Environment 5e, p. 434-436 and 460-464 – YOUR BOOK
8-Dec Class evaluations, final survey week 15 QUIZ 11; climate change assignment handed back	!!!!!! CLIMATE CHANGE ASSIGNMENT DUE on THURSDAY IN CLASS !!!!!!!