

CLASS SCHEDULE (SPRING 2013)

GEOL 007 EARTH HAZARDS

revision 1/14/13

15-Jan HAZARDS OF THE SEMESTER intro survey week 1	17-Jan RELATIVE RISKS and POPULATION; INTRODUCTIONS and CLASS STRUCTURE
22-Jan EARTHQUAKES week 2 VIDEO = When the Earth Shakes, National Geographic READING = The Next Big One, April 2006, National Geographic, p.120-147 – E-RESERVE READING = Geology and the Environment 7e, CHAPTER 3 Plate Tectonics, p. 59-64 and CHAPTER 4 Earthquakes – YOUR BOOK	24-Jan EARTHQUAKES
29-Jan 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 7e, CHAPTER 5 Volcanoes – YOUR BOOK	31-Jan VOLCANOES
5-Feb NOR EASTERS week 4 QUIZ 2 VIDEO = The Perfect Storm, The Discovery Channel READING = Nor'easters, American Scientist, volume 81, September/October, 1993, p. 428-439 – E-RESERVE READING = Perfect Storm, first half of book – YOUR BOOK READING = Geology and the Environment 7e, CHAPTER 10 Coasts, p. 340-355 YOUR BOOK	7-Feb NOR EASTERS
12-Feb HURRICANES week 5 QUIZ 3 VIDEO = Hurricane, Discovery Channel READING = Dissecting a hurricane, March 2000, Scientific American, p. 80-85 – E-RESERVE READING = Perfect Storm, second half of book – YOUR BOOK READING = Geology and the Environment 7e, CHAPTER 10 Coasts, p. 359-367 – YOUR BOOK	14-Feb HURRICANES Around Cape Horn, Mystic Seaport
19-Feb LANDSLIDES, MUDSLIDES and DEBRIS FLOWS week 6 QUIZ 4 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 7e, CHAPTER 7 Mass Wasting – YOUR BOOK !!!!!! ONE PAGE PERFECT STORM PAPER DUE on TUESDAY IN CLASS !!!!!!!	21-Feb LANDSLIDES, MUDSLIDES and DEBRIS FLOWS VIDEO= Armero
26-Feb FLOODS week 7 QUIZ 5 VIDEO = The Awesome Power READING = Geology and the Environment 7e, CHAPTER 9 Hydrologic Hazards – YOUR BOOK	28-Feb FLOODS
5-Mar NO CLASS week 8 SPRING BREAK	7-Mar NO CLASS SPRING BREAK
12-Mar AVALANCHES week 9 QUIZ 6 VIDEO = Avalanche, Discovery Channel READING = http://www.nytimes.com/projects/2012/snow-fall/#/?part=tunnel-creek READING = Geology and the Environment 7e, CHAPTER 7 Avalanches, p. 232-234 – YOUR BOOK	14-Mar AVALANCHES VIDEO = Vermont's 1927 flood
19-Mar ASTEROIDS week 10 QUIZ 7 VIDEO = Asteroids: deadly impact, National Geographic READING = Target Earth, National Geographic, August 2008 – E-RESERVE	21-Mar ASTEROIDS
26-Mar TSUNAMIS week 11 QUIZ 8 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 7e, CHAPTER 10, p. 331-340 and 356-359 – YOUR BOOK	28-Mar TSUNAMIS
2-Apr GEOLOGIC CLIMATE CHANGE week 12 QUIZ 9 VIDEO = Rise and Fall of the Great Lakes READING = Abrupt Climate Change, Scientific American, p. 62-69, – E-RESERVE READING = Geology and the Environment 7e, CHAPTER 2, Earth System and Climate Change – YOUR BOOK	4-Apr GEOLOGIC CLIMATE CHANGE
9-Apr week 13 NO CLASS, PAUL at European Geoscience meeting - Prepare Climate change assignment	11-Apr
16-Apr HUMAN INDUCED CLIMATE CHANGE week 14 QUIZ 10 VIDEO = Switch (http://www.switchenergyproject.com) READING = A Scientist, His Work and a Climate Reckoning by Justin Gillis, The New York Times, December 21, 2010 – E-RESERVE READING = Geology and the Environment 7e, CHAPTER 11, Long term Climate Change, p. 387-421 – YOUR BOOK !!!!!! CLIMATE CHANGE ASSIGNMENT DUE on TUESDAY IN CLASS !!!!!!!	18-Apr HUMAN INDUCED CLIMATE CHANGE Video - Switch
23-Apr NUKES - Bombs, power, and people week 15 QUIZ 11 READING = Can Nuclear Power Be Part of the Solution? Robert Costanza and others, Solutions, April 2011 – E-RESERVE READING - reviews of Atomic Café – E-RESERVE Video, Atomic Café, part 1.	25-Apr NUKES - Bombs, power, and people Video - Atomic Café, part 2
30-Apr Class evaluations week 16 climate change assignment handed back	