

CLASS SCHEDULE (SPRING 2014)

GEOL 007 EARTH HAZARDS

1/13/14 version

14-Jan HAZARDS OF THE SEMESTER intro survey week 1	16-Jan RELATIVE RISKS and POPULATION; INTRODUCTIONS and CLASS STRUCTURE
21-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	23-Jan EARTHQUAKES
28-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	30-Jan VOLCANOES
4-Feb NOR EASTERSTERS week 4 QUIZ 2 VIDEO = The Storm of the century, 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	6-Feb NOR EASTERSTERS
11-Feb HURRICANES week 5 QUIZ 3 VIDEO = NOVA - Hurricane Katrina 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	13-Feb HURRICANES VIDEO = Around Cape Horn, Mystic Seaport
18-Feb LANDSLIDES, MUDSLIDES and DEBRIS FLOWS week 6 QUIZ 4 VIDEO = Thunder on the Mountain, National Geographic (part 1) 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 !!!!!!!	20-Feb LANDSLIDES, MUDSLIDES and DEBRIS FLOWS VIDEO = Armero
25-Feb FLOODS week 7 QUIZ 5 VIDEO = The Awesome Power (NOAA) READING = Geology and the Environment 7e, CHAPTER 9 Hydrologic Hazards – YOUR BOOK	27-Feb FLOODS VIDEO = Vermont's 1927 flood
4-Mar NO CLASS week 8 SPRING BREAK	6-Mar NO CLASS SPRING BREAK
11-Mar AVALANCHES week 9 QUIZ 6 VIDEO = Thunder on the Mountain, National Geographic (part 2) 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	13-Mar AVALANCHES
18-Mar ASTEROIDS week 10 QUIZ 7 VIDEO = Asteroids: deadly impact, National Geographic READING = Target Earth, National Geographic, August 2008 – E-RESERVE	20-Mar ASTEROIDS
25-Mar TSUNAMIS week 11 QUIZ 8 VIDEO = NOVA-Tsunami, Wave that shook the world 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	27-Mar TSUNAMIS
1-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	3-Apr GEOLOGIC CLIMATE CHANGE
8-Apr HUMAN INDUCED CLIMATE CHANGE week 13 QUIZ 10 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	10-Apr HUMAN INDUCED CLIMATE CHANGE VIDEO = Too hot not to handle
15-Apr NUKES - Bombs, power, and people week 14 QUIZ 11 READING = Can Nuclear Power Be Part of the Solution? Robert Costanza and others, Solutions, April 2011 – E-RESERVE !!!!!!! CLIMATE CHANGE ASSIGNMENT DUE on TUESDAY IN CLASS !!!!!!!!	17-Apr NUKES - Bombs, power, and people Video - Frontline - Nuclear aftershocks
22-Apr Class evaluations week 15 climate change assignment handed back	24-Apr NO CLASS, PAUL at European Geoscience meeting
29-Apr NO CLASS, PAUL at European Geoscience meeting week 16	