

REVISED CLASS SCHEDULE (SPRING 2012)

GEOL 007 EARTH HAZARDS

revision 1/5/12

17-Jan week 0	NO CLASS - Paul at Earthquake hazard workshop	19-Jan HAZARDS OF THE SEMESTER intro survey
24-Jan week 1	INTRODUCTIONS and CLASS STRUCTURE	26-Jan RELATIVE RISKS and POPULATION
31-Jan week 2	EARTHQUAKES 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 6e, CHAPTER 3 Plate Tectonics (57-62) and CHAPTER 4 Earthquakes – YOUR BOOK	2-Feb EARTHQUAKES
7-Feb week 3	VOLCANOES QUIZ 1 VIDEO = Volcano, National Geographic READING = John McPhee, Control of Nature, Cooling the Lava – YOUR BOOK READING = Geology and the Environment 6e, CHAPTER 5 Volcanoes – YOUR BOOK	9-Feb VOLCANOES
14-Feb week 4	NOR EASTERS 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 6e, CHAPTER 10 Coasts, p. 331-332 and 336-337 – YOUR BOOK	16-Feb NOR EASTERS Around Cape Horn, Mystic Seaport
21-Feb week 5	AVALANCHES QUIZ 3 VIDEO = Avalanche, Discovery Channel READING = Discover Magazine, "Avalanche" – E-RESERVE READING = Geology and the Environment 6e, p. 217-220 – YOUR BOOK	23-Feb AVALANCHES
28-Feb week 6	HURRICANES QUIZ 4 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 6e, CHAPTER 10 Coasts, p. 325-331, 338-339 – YOUR BOOK	1-Mar HURRICANES
6-Mar week 7	NO CLASS SPRING BREAK	8-Mar NO CLASS SPRING BREAK
13-Mar week 8	FLOODS QUIZ 5 VIDEO = The Awesome Power READING = After the Deluge, National Geographic, November, 1999, p. 108- 129. E-RESERVE READING = Geology and the Environment 6e, CHAPTER 9 Hydrologic Hazards – YOUR BOOK !!!!!! ONE PAGE PERFECT STORM PAPER DUE on TUESDAY IN CLASS !!!!!!!	15-Mar FLOODS VIDEO = Vermont's 1927 flood ASTEROIDS
20-Mar week 9	LANDSLIDES, MUDSLIDES and DEBRIS FLOWS QUIZ 6 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 6e, CHAPTER 7 Mass Wasting – YOUR BOOK	22-Mar LANDSLIDES, MUDSLIDES and DEBRIS FLOWS VIDEO= Armero
27-Mar week 10	ASTEROIDS QUIZ 7 VIDEO = Asteroids: deadly impact, National Geographic READING = Target Earth, National Geographic, August 2008, p. 134-149 – E-RESERVE	29-Mar ASTEROIDS
3-Apr week 11	TSUNAMIS 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 6e, p, 313-318, 334-336 – YOUR BOOK	5-Apr TSUNAMIS
10-Apr week 12	GEOLOGIC CLIMATE CHANGE 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 6e, chapter 2 – YOUR BOOK !!!!!! CLIMATE CHANGE ASSIGNMENT DUE on THURSDAY IN CLASS !!!!!!!	12-Apr HUMAN INDUCED CLIMATE CHANGE
17-Apr week 13	CLIMATE CHANGE QUIZ 10 VIDEO = Too hot not to handle READING = A Scientist, His Work and a Climate Reckoning by Justin Gillis, The New York Times, December 21, 2010 – E-RESERVE READING = Can Nuclear Power Be Part of the Solution? Robert Costanza and others, Solutions, April 2011 – E-RESERVE	19-Apr NUKES - Bombs, power, and people
24-Apr week 14	NUKES - Bombs, power, and people (continued) QUIZ 11 Atomic Café - first half. READING - reviews of Atomic Café – E-RESERVE	26-Apr VIDEO = Atomic Café: Second half
1-May week 15	Class evaluations climate change assignment handed back	