

**EART 2: Earth Catastrophes**  
Syllabus Fall Quarter, 2017

<u>Date</u>	<u>Lecture Topic</u>	<u>Reading/Connect HW</u>
Fri. Sept. 29	Introduction/Syllabus	Abbott: Prologue, Ch. 1
<b>Part I. Cosmology and Global Catastrophes</b>		
Mon. Oct. 2	Big Bang, Red Shift,	
Wed. Oct. 4	Nucleosynthesis, Stars, Supernovae	
Fri. Oct. 6	Accretion of Earth, Moon Formation	Abbott Ch. 17
Mon. Oct. 9	Origin of Life: The Archaen	
Wed. Oct. 11	Evolution of Life: Proterozoic	
Fri. Oct. 13	Geologic Time/Mass Extinctions	
Mon. Oct. 16	Mass Extinctions, K-T	Abbott: Ch. 18
Wed. Oct. 18	Impacts and Environmental Crises	Abbott: Epilogue
Fri. Oct. 20	<u>QUIZ # 1</u> on PART I (in class)	CONNECT HW DUE
<b>Part II. Internal Earth Processes and Catastrophes</b>		
Mon. Oct. 23	Earth's Dynamic Systems, Plate Tectonics	Abbott Ch. 2
Wed. Oct. 25	<b>Video:</b> <i>The Day the Earth Shook</i>	
Fri. Oct. 27	Earthquakes, Faults Seismic Waves	Abbott Ch. 3
Mon. Oct. 30	Earthquake Recordings	Abbott Ch. 4
Wed. Nov. 1	Earthquake Prediction and Mitigation	Abbott Ch. 5
Fri. Nov. 3	Volcanoes, Melting and Arcs	Abbott Ch. 6
Mon. Nov. 6	Volcanoes, Rifts and Hotspots	Abbott Ch. 7
Wed. Nov. 8	Volcanoes, Products, and Prediction	Abbott Ch. 8
Fri. Nov. 10	<b>No Class – Veteran's Day</b>	
Mon. Nov. 13	<b>Video:</b>	
Wed. Nov. 15	<u>QUIZ # 2</u> on Part II (in class)	CONNECT HW DUE
<b>Part III. External Earth Processes and Catastrophes</b>		
Fri. Nov. 17	Atmospheric Processes, Circulation	Abbott Ch. 9
Mon. Nov. 20	Green House, Ozone, Climate Proxies	Abbott Ch. 12
Wed. Nov. 22	<b>Video:</b> <i>Inconvenient Truth</i>	
Fri. Nov. 24	<b>No Class – Thanksgiving Holiday</b>	
Mon. Nov. 27	Climate Variations, Ice Ages	Abbott Ch. 12
Wed. Nov. 29	Weather, Tornadoes, Dust Storms, Hurricanes	Abbott Ch. 10
Fri. Dec. 1	Water Cycle/Rivers/Floods	Abbott Ch. 11
Mon. Dec. 4	Floods, Great Dam Bursts	Abbott Ch. 13
Wed. Dec. 6	Landslides/Human-induced Catastrophes	Abbott Ch. 15
Fri. Dec. 8	<u>QUIZ # 3</u> on Part III (in class)	CONNECT HW DUE