

**Env Sc 101 The Blue Planet, Spring 2009 Prof. Grant Meyer
SCHEDULE**

<u>Week of Monday</u>		TOPICS	<u>READING in The Blue Planet</u>	
16-Jan	GEO-SPHERE	THE SCIENTIFIC APPROACH TIME; EARTH SYSTEMS and CYCLES; GLOBAL CHANGE	Ch. 1	
26-Jan		EARTH HISTORY and BIOLOGICAL EVOLUTION EARTH MATERIALS and STRUCTURE; EARTH'S ORBIT	Ch. 2 (focus on p. 27, 36-40) Ch. 17 p. 397-415	
2-Feb		ROCKS AND MINERALS Periodic Table of the Elements (Web) - for short problem 1	Ch. 6 Ch. 8 p. 158-176 Ch. 7 p. 136-7	
9-Feb		VOLCANISM and EARTHQUAKES	Ch. 5, 7	
16-Feb		Virtual Earthquake exercise (short problem 2) PLATE TECTONICS	Ch. 4 Ch. 8 p. 176-186	
23-Feb		HYDRO-SPHERE	PLATE TECTONICS	
2-Mar	MIDTERM EXAM 1 on WebCT Assessments, Mar 2 & 3 STREAM SYSTEMS		Ch. 9 p. 189-201	
9-Mar	GROUNDWATER WATER QUALITY and WATER RESOURCES		Ch. 9 p. 202-211 Ch. 20 p. 466-470	
16-Mar	SPRING BREAK!			
23-Mar	ATMO-SPHERE		SNOW, ICE, AND GLACIERS	Ch. 10
30-Mar			ATMOSPHERE COMPOSITION and STRUCTURE ATMOSPHERIC CIRCULATION	Ch. 12, 13
6-Apr		WEATHER SYSTEMS and STORMS CLIMATE and CLIMATE CHANGE MIDTERM EXAM 2, Thurs. Apr. 9	Ch. 14	
13-Apr	BIO-SPHERE GLOBAL CHANGE	ECOSYSTEMS	Ch. 15	
20-Apr		BIOGEOCHEMICAL CYCLES, POLLUTION	Ch. 16	
27-Apr		ENERGY RESOURCES and GLOBAL CHANGE	Ch. 18 p. 430-440	
4-May		MINERAL RESOURCES GLOBAL CHANGE and HUMAN IMPACTS	Ch. 18 p. 419-430 Ch. 20 p. 471-489	
<u>FINAL EXAM: TUESDAY May 12, 12:30-2:30</u>				