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add to  
Sen. or  
JHu Global ES

**270.310 Global Earth Systems  
Spring Semester 1995  
George W. Fisher  
327 Olin Hall**

<u>Date</u>	<u>Topic</u>	<u>Reading</u>	
Feb 2, 3	Introduction	Chap 1	
9, 10	Plate Tectonics, Geochem Cycle	2	
16, 17	Atmospheric Dynamics	3	
23, 24	Weathering, Soils	4	Lorentz lectures
Mar 2, 3	Terrestrial Biosphere	5	
9, 10	Terrestrial Geochem Cycle	6	
16, 17	Wetlands, Lakes	7	Exam
23, 24	Spring Break		
30, 31	Rivers, Estuaries	8	
Apr 6, 7	Ocean Systems	9	Broecker Lectures
13, 14	El Nino	10	
20, 21	Global Water, Carbon cycles	11	Exam
27, 28	Global N, P, S cycles	12, 13	
May 4, 5	Managing Earth	14	
May 12			Final Exam, 2-5 PM

Text: W. H. Schlesinger, Biogeochemical Cycles

Grades: based on two exams (30 % each) and final (40%)

ESSE Course Descriptions

- 270.116    Environmental Earth Systems  
          An introduction to the processes which control Earth's global environment; reviews environmental change in geologic history, studies processes controlling change, and explores human influence on the global environment
- 270.310    Modeling Earth Systems  
          Development and analysis of mathematical models of Earth system processes, using simulation software and remote sensing data.
- For junior and senior science and engineering majors; must be taken concurrently with 270.116.