

Course Schedule Winter 2009			
Date	Topic	Reading*	Problem
WEEK 1: Greenhouse Gases and Radiative Forcing			
Tu 01/06	Introduction / Rad. bal. (LJ)	IPCC 2007 sum. policymak.	
Th 01/08	Radiative forcing (LJ)	IPCC 2007 tech sum.	Prob. #1 Out
WEEK 2: Non-CO₂ GHG and aerosols			
Tu 01/13	<i>Paper discussion #1</i>		
Th 01/15	Non-CO ₂ GHG #1 (LJ)	IPCC 2007 Chap 2+7	
WEEK 3: Non-CO₂ GHG and aerosols			
Tu 01/20	Non-CO ₂ GHG #2 (LJ)		Prob. #1 Due
Th 01/22	Aerosols and Climate (LJ)		
WEEK 4: Carbon cycle			
Tu 01/27	<i>Paper discussion #2</i>		Prob. #2 Out
Th 01/29	Carbon Cycle #1 (JS)	Broecker (2005) pp. 79-130	
WEEK 5: Carbon cycle			
Tu 02/03	Carbon Cycle #2 (JS)	Emerson & Hedges (2007)	
Th 02/05	Carbon Cycle #3 (JS)	Chap. 4 & 11	Prob. #2 Due
WEEK 6: Carbon cycle			
Tu 02/10	Carbon Cycle #4 (JS)		
Th 02/12	<i>Paper discussion #3</i>		
WEEK 7: Anthropogenic perturbation of Carbon cycle			
Tu 02/17	<i>Midterm Exam</i>		
Th 02/19	Anthropogenic perturbation of C Cycle (JS)	Broecker (2005) pp. 130-156	
WEEK 8: Anthropogenic perturbation of Carbon cycle			
Tu 02/24	Terrestrial CO ₂ uptake (LJ)		Prob. #3 Out
Th 02/26	<i>Paper discussion #4</i>		
WEEK 9: Geoengineering			
Tu 03/03	Geoengineering #1	Broecker (2005) pp. 156-164	Prob. #3 Due
Th 03/05	Geoengineering #2 (+ disc)		
WEEK 10: Student presentations			
Tu 03/10	Student Presentations		
Th 03/12	Student Presentations		

* Assigned readings are in bold. Other readings are suggested.