Date		Lecture topic	Required reading	HMW Due
		WEEK 1	Skim through Chapters 1, 3, 9	
M W	3/31 4/02	Introduction and course overview <b>Fundamentals.</b> Photochemistry. Theory of gas- phase/multiphase reaction rates. Analysis of reaction mechanisms; Box models;		
		Lifetimes and transport timescales		
	1/07	WEEK 2		
M	4/07	No class		
VV	4/09		Charter 10	
М	4/14	Stratospheric chemistry. Ozone and the Chapman mechanism: Catalytic loss cycles: HOx chemistry		
W	4/16	Catalytic loss cycles: NOy, Cly, Bry chemistry		#1
		WEEK 4		
M W	4/21 4/23	Ozone depletion: polar ozone loss Mid-latitude ozone loss; role of aerosol chemistry in the stratosphere		
F	4/25	Paper discussion	Solomon (1999)	#2
		WEEK 5	Chapter 11	
М	4/28	Tropospheric Chemistry. Oxidizing capacity of the atmosphere		
W	4/30	The global budgets of CO, CH4, and VOCs		
		WEEK 6	Chapters 11+12	
M	5/05	Tropospheric ozone and NOx		#3
VV F	5/07	Iropospheric ozone and NOx		
F	5/09			
N/I	5/12	Paper discussion	Wang & Jacob (100)	
W	5/14	Ralph Cicerone		
	0/11	WEEK 8	Chapters 8+13	
Μ	5/19	Aerosols. Sources and sinks of aerosols.		#4
W	5/21	Sulfur chemistry		
		WEEK 9		
Μ	5/26	Memorial Day – No class		
W	5/28	Atmospheric chemistry and climate		#5
		WEEK 10		
М	6/02	Student presentations		
W	6/04	Student presentations		
F	6/06	Student presentations		paper due

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