

Class	Date	Topic	Reading	Assignment due
1	Aug 27	Introduction. Composition and structure		
2	Aug 29	Atmospheric structure and transport	1.1-7, 2.6, 5.10	HW #1 Exercises
3	Sep 3	Photochemistry	4.1-10 FP+P 4.A-C	HW #1 Problems
4	Sep 5	Photochemistry. Kinetics	3.1-4	HW #2 Exercises
5	Sep 10	Kinetics, continued		HW #2 Problems
6	Sep 12	Stratospheric Ozone Cycles	2.3, 2.5, 5.1-5.6	
7	Sep 17	Cycles. CFCs	5.9, 6.14	Project- Part A
8	Sep 19	Class Work on Kinetics	3.2	HW #3 Exercises
9	Sep 24	ODPs. Night and day. Ozone hole	2.2, 2.7, 5.7-8 FP+P 4.C-D,N-V, FP+P 12.C	HW #3 Problems
10	Sep 26	Heterogeneous Chemistry		Project- Part B HW #4 Exercises
11	Oct 1	Heterogeneous Kinetics		HW #4 Problems
12	Oct 3	Class work	EXAM I distributed	(due Mon 10/7)
13	Oct 8	Review of Exam I. Tropospheric ozone cycles		
14	Oct 10	Tropospheric ozone cycling. 3 rd order kinetics	3.5, 6.1-9	HW #5 Exercises
15	Oct 15	Alkane oxidation pathways	6.10.1	HW #5 Problems
16	Oct 17	Oxidation of alkenes, aromatics, and oxygenates	6.10-11	HW #6 Exercises
17	Oct 22	Meteorology, ozone control strategies	16.1-2, 25.1-2 FP+P 16.A-C	HW #6 Problems
18	Oct 24	Quiz Show, presentation on aerosols	FP+P 16.A.1	HW #7 Exercises
19	Oct 29	Aqueous aerosol phase	2.7, 3.7, 6.13, 7.1-3	HW #7 Problems
20	Oct 31	Aerosol chemistry and kinetics	7.4-6	HW #8 Exercises
21	Nov 5	Aqueous-Phase Organic Chemistry		HW #8 Problems
22	Nov 7	Class work	EXAM II distributed	(due Mon 11/11)
23	Nov 12	Review of Exam II. Aerosol size distributions	8.1-5	
24	Nov 14	Aerosol size distributions		HW#9 Exercises
25	Nov 19	Global radiation balance, GHGs	4.6, 23.1-8	HW#9 Problems
26	Nov 21	Radiative Forcing, GWPs		HW #10 Exercises
Nov 26 and 28		THANKSGIVING (no class)		
27	Dec 3	Climate Impacts and Air Quality Interactions	FP+P 14.1-2	HW #10 Problems
28	Dec 5	Discuss Questions on Global Climate Change		

Final Exam distributed by Monday, December 9 and due 4:00 p.m. on Monday, December 16.