

Tentative Class Schedule (will be modified as we go)

week	day	topic	reading	assignments
1	1/23	Overview (Aerosols: What, Why, How)		
	1/25	Characterization of Aerosols	S&P ch 7	
2	1/30	Characterization of Aerosols	S&P ch 7	
	2/1	Climate effect: Tropospheric aerosols	Hobbs Ch.2	
3	2/6	Dynamics of single aerosol particles	Reist ch3-5	
	2/8	Dynamics of single aerosol particles	S&P ch 8	
4	2/13	Dynamics of single aerosol particles	S&P ch 8	
	2/15	Thermodynamic of aerosols	S&P ch 9	2/17 1 st hw due
5	Winter break			
6	2/27	Nucleation	S&P ch 10	
	3/1	Nucleation	S&P ch 10	2 nd hw due
7	3/6	Nucleation	Recent papers	
	3/8	Condensation/evaporation	S&P ch 11	
8	3/13	Coagulation	S&P ch 12	
	3/15	Coagulation	S&P ch 12	3 rd hw due
9	3/20	Dynamics of Aerosol Population	S&P ch 12	
	3/22	Dynamics of Aerosol Population	S&P ch 12	
10	3/27	Other topics: Organic aerosols	S&P ch 13	
	3/29	Health effect: Urban aerosols	Papers/reports	4 th hw due
11	4/3	Review, discussion		
	4/5	Mid-term exam		Mid-term exam
12	Spring Break			
13	4/17	Aerosol Dry and Wet Deposition	S&P ch 19-20	
	4/19	Aerosol modeling	Papers	
14	4/24	Chemical effect: Stratospheric aerosols	Papers	
	4/26	Aerosol measurement techniques	Papers	5 th hw due
15	5/1	Nanoparticle technology and applications	Papers/Reports	
	5/3	Other topics: TBD		
16	5/8	Term project presentation		presentation
	5/10	Term project presentation		presentation
17	5/15			
	5/17	Term paper due		Term paper due