

COURSE OUTLINE

<u>Date</u>	<u>Subject</u>	<u>Homework (due date)</u>	<u>Text (Chapter)</u>
Tu 1/16	Intro, Water Quality Standards and Goals, Contaminants		1,2 (focus on contaminants we cover)
Th 1/18	Contaminants, Plant Layout, Selection of Processes		3,4 (read like newspaper)
Tu 1/23	Reactor Design, Chemical Kinetics		
Th 1/25	Reactor Design, Chemical Kinetics	#1 Hydr. (term paper Topic due)	
Tu 1/30	Coagulation and Flocculation		6
Th 2/1	Coagulation and Flocculation	#2 arsenic, Reactor	
Tu 2/6	Coagulation and Flocculation		
Th 2/8	Sedimentation		7
F 2/9	ORAL REVIEWS		
Tu 2/13	Filtration	#3 Coag Floccul.)	(Term paper outline & 7 ref's due)
Th 2/15	Filtration		
Tu 2/20	Filtration		
Th 2/22	EXAM: Covers Reactor Design, Chemical Kinetics, Coag/Floc, Sedimentation		
Tu 2/27	Filtration		8
Th 3/1	Filtration		
<u>Date</u>	<u>Subject</u>	<u>Homework</u>	<u>Chapters</u>
Tu 3/6	Adsorption of Organics, Activated Carbon	#4 Filtration	13

Th 3/8	Activated Carbon	(In March, visit water plant)	
3/12-3/16	NO CLASS SPRING BREAK		
Tu 3/20	Activated Carbon		
Th 3/22	Activated Carbon		
Tu 3/27	Activated Carbon/ Chem Oxidation	#5 Adsorption	
Th 3/29	Chemical Oxidation and Disinfection		12,14
Tu 4/3	Chemical Oxidation & Disinfection		
Th 4/5	EXAM : Covers Filtration, Activated Carbon		
Tu 4/10	Chemical Oxidation and Disinfection		
Th 4/12	Membranes	Term Papers Due	
Tu 4/17	Membranes		11
Th 4/19	Student Presentations		
Tu 4/24	Membranes	#6 Membranes	9
Th 4/26	NO CLASS: FRED IN HERSHEY		
Tu 5/1	Ion Exchange		
Th 5/3	Ion Exchange		
5/7-5/11 TBA	FINAL EXAM Chemical Oxidation Disinfection, Membranes, Ion Exchange		