

Syllabus: Fall '09				
Date		Topic	'Essay' Target Dates	Chapter
August	24	Introduction; Course Fundamentals		1 all
	26	Food Chain Theory		1
September	1	Photosynthesis		2 all
	3	Library Research Resources (Rm 156, Hamilton Library 'Addition' [Sara Ritter]: 9:00 (pls be on time))		
	8	Physical Factors Affecting Production		3 all
	10	Physical Factors/Cultural Eutrophication-	Essay 1 draft due	4 (p60-78, 99-111)
	15	Cultural Eutrophication-Lake Washington		4
	17	Cultural Eutrophication Kaneohe Bay	Final Essay 1 due	4
	22	Sewage treatment-primary and secondary		6 all
	24	Sewage treatment-Tertiary		6
	29	Non-point source pollution		5 all
October	1	Pathogens in water supply		7 all
	6	Pathogens		7
	8	Review (and start 'Dams')		
	13	Midterm Exam (through Pathogens and chapter 7)	Essay 2 draft due	
	15	Dams and Water Quality		
	20	Ground Water Pollution	Final Essay 2 due	16 all
	22	Toxicology		8 (p.199-226; scan 227-234)
	27	Toxicology / Legal aspects of water rights		8
	29	Industrial pollution- Pulp and Paper		9 (p. 240-245; 256-271; scan 246-255)
November	3	Pesticides-general		10 (p. 274-316; 321-325; scan 316-321)
	5	Pesticides-DDT		10
	10	Thermal pollution		11
	12	Metals-general		12 (p.369-397; scan 397-405, 409-422)
	17	Metals- mercury		12
	19	Metals-continued [Minimata Disease]		12

	24	Metals: Arsenic and remediation	Essay 3 draft due	
	26	Holiday Happy Thanksgiving		
December	1	Student brief presentations of Essay 3	Final Essay 3 due	13 (p.432-472)
	3	Oil Pollution [UCSB video of gas seeps]		15 (539-549, 557-560; scan 550-557)
	8	Acid rain [19750; 19816]		
	10	Wrap-up discussion; review	Scrap Book Due	
	15 (Tu)	Scheduled Final Exam (9:45-11:45)		
		Merry Christmas		

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Office hours: T/Th 10:30-11:30, or by appointment

Required text: "Aquatic Pollution: An Introductory Text, 3rd Edition" by Edward Laws

Note: Last day to drop a class w/o a 'W' is Aug. 31; Last day for in-person drop of class (w/ 'W') is Oct. 19.