

OCN 320: Aquatic Pollution
Spring 2014
T/Th 9:00 – 10:15 am

Instructor: Dr. Rosie Alegado
 Office: C-MORE Hale 111
 Email: rosie.alegado@hawaii.edu

Date	Topic	Chapter
January	14 Introduction; Course Fundamentals	1
	16 Food Chain Theory	1
	21 Photosynthesis	2
	23 Physical Factors Affecting Production	3
	28 Library Research Resources Hamilton Library Rm. 156 (be on time!)	
	30 Physical Factors/Cultural Eutrophication	4
February	4 Cultural Eutrophication-Lake Washington	4
	6 Cultural Eutrophication Kaneohe Bay	4
	11 Sewage treatment-primary and secondary	6
	13 Sewage treatment-tertiary	6
	18 Non-point source pollution	5
	20 Pathogens in water supply	7
	25 Pathogens	7
	27 Review (and start 'Dams')	
March	4 Midterm Exam (through Pathogens and chapter 7)	
	6 Field trip – Sand Island Sewage Treatment Plant (tentative) Essay 1 draft due	
	11 Dams and Water Quality	
	13 Ground Water Pollution	16
	18 Toxicology	8
	Final Essay 1 due	
	20 Toxicology/Legal aspects of water rights	8
	25 Holiday: SPRING BREAK	
27 Holiday: SPRING BREAK		
April	1 Industrial Pollution: Pulp and Paper	9
	3 Pesticides-General	10
	Essay 2 draft due	
	8 Pesticides – DDT	10
	10 Thermal pollution	11
	15 ASCENT SUMMIT	
	17 Metals: General	12
	Final Essay 2 due	

	22	Metals: Mercury	12
	24	Metals: Arsenic and remediation	
	29	Oil Pollution	13
May	1	Acid Rain	15
	6	Wrap-up discussion; review	
	??	Scheduled Final Exam (9:45-11:45)	

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