

Course No.	457.210A	Lecture No.	001	Course Title (Subtitle)	Environmental Engineering	Credit	3
Representative Instructor	Name	Yongju Choi (post : Assist. Prof.)		Homepage	http://wqe.snu.ac.kr		
	E-mail	ychoi81@snu.ac.kr		Phone No.	02-880-7376		
	Interview Time/Place : Appointment based						
Attachment	(Korean)						
	(English)						
Prerequisite Course							
*1.Purpose of Course	This class discusses various environmental problems that affect human life and ecological soundness. The class deals with causes, effects, and solutions for local concerns of environmental destruction and pollution as well as global environmental concerns, and seeks for solutions and strategies for sustainable development.						
*2.Materials and Reference	1. Lecture notes 2. Davis, M. L. and Masten, S. J. (2014) Principles of Environmental Engineering and Science, 3rd ed. McGraw-Hill						
*3.Evaluation Method	Attendance	Assignment	Midterm	Final	Other	Total	
	10	15	30	30	15	100	
	Remark of Others		Team project on the policy design for preventing environmental pollution and enhancing sustainability				
*4.Lecture Plan	W1: Introduction to environmental engineering / Basic chemistry concepts I W2: Basic chemistry concepts II / Basic biology concepts W3: Mass balance and reactor analysis I & II W4: Ecosystems / Risk perception, assessment and management I W5: Risk perception, assessment and management II / Hydrology I W6: Hydrology II / Water quality I W7: Water quality II / Review and discussion W8: Midterm exam / Water treatment I W9: Water treatment II / Wastewater treatment I W10: Wastewater treatment II / Air pollution I W11: Air pollution II & III W12: Solid waste management / Soil and groundwater remediation W13: Noise pollution / Team project introduction and discussion W14: Current issues / Review and discussion W15: Final exam / Team project presentation						
5.References to Course Registration	- By the university law, being absent for more than 1/3 of the class will result in "F" grade - Students who did not show up for more than 5 class dates will get "B0" grade at most - Three times of lateness is translated to one absence						
6. Support Services for Students with Disabilities	For Lectures						
	For Assignments & Evaluations						
	Others	Will follow the highest standard among the university recommendations					