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**Course Keywords	Environmental Technology, Environmental Science, Environmental Engineering, Civil Engineering, Chemical Engineering	
*1. Goals	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. Reading Materials	Textbooks	Handout (electronic, slides) Davis & Masten
	References	
**3. Course Schedule	Lecture Method	☐Flipped learning ☑Theory-driven ☐Discussion-oriented ☐Project-based ☐Others
	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 / Sustainability W9: Water treatment I & II W10: Wastewater treatment I & II W11: Air pollution I & II W12: Air pollution III & IV W13: Solid waste management / Hazardous waste management W14: Team project discussion / Final exam W15: Team project discussion / Team project presentation	
*4. Evaluation	Grading Method	Absolute evaluation, Relative evaluation
	Grading Type	A~F, S/U

Item	Attendance	Assignment	Midterm	Final	Team Project	Attitude	Other	Total
Rate	10%	15%	30%	30%	15%			100%
Note		4 HWs (25% each)	paper test	paper test				

Attendance Policy	Students who are absent more than 1/3 of class days will receive “F” or “U” grade.Students whose attendance is acknowledged can be exceptions. (Academic Grading Regulations, Guidance of Attendance and Grading for Early Employed Students)
Other	Other matters pertaining to the evaluation method such as regulations on cheating, whether and how alternative tests are made, and whether feedback for assignments or tests is provided
5. Quota Exceeding Course Registration	Capacity	Up to 00 Students
6. Guideline for Students	Prerequisite Courses	
	Requirements	
	Office Hours	
7. Support Services for Students with Disabilities ※ Contents	For Lectures	○ Visual Impairment: Make textbooks(digital textbook, braille textbook, enlarged textbook etc.), Allow note takers ○ Physical Disability: Make textbooks(digital textbook), Allow note takers and assistants ○ Hearing Impairment: Allow note takers and translators, Allow lecture recording ○ Health Impairment: Excuse absence due to health problems, Allow note takers ○ Learning Disability: Allow note takers ○ Intellectual Disability / Autism Spectrum Disorder: Allow note takers and mentors
	For	○ Visual Impairment / Physical Disability / Hearing Impairment / Health Impairment / Learning Disability: Extend assignment deadlines, Offer alternate