

Institute of Natural Resource Management National Taipei University Class Schedule of the Fall Semester, 2013

Download sites for handouts

<http://web.ntpu.edu.tw/~yml/download/env2013f>

<https://www.box.com/ntpu-inrm-prof-lee-classes> => env2013f

Course: Introduction to Environmental Science and Engineering

Instructor: Yuh-Ming Lee

Time: 09:10~12:00 Tuesday

Week	Date	Topic	Homework
1	09/17	Introduction of the Course	1. Environmental Policies and Objectives
2	09/24	Review of Fundamental Concepts	
3	10/01	Environmental Impact Assessment I	
4	10/08	Environmental Impact Assessment II	
5	10/15	Conservations of Mass and Energy	
6	10/22	Environmental Chemistry	2. Environmental Hormones
7	10/29	Introduction to Risk Assessment	3. Guideline for HRA
8	11/05	Introduction to Hydrology	4. Return Period of Floods
9	11/12	Midterm Exam	Take-home Exam
10	11/19	Water Quality Management	5. Watershed Protection Areas
11	11/26	Water Purification Technology	
12	12/03	Waste Water Treatment	6. The 2016 Effluent Standards
13	12/10	Soil and Groundwater Contamination	
14	12/17	Introduction to Air Pollution	7. Fine Particles and AQI
15	12/24	Global Environmental Issues	8. Taiwan's Assessment Report
16	12/31	Solid Waste Treatment and Recycling	9. Biodegradable Plastics
17	01/07	Toxic Chemicals / Hazardous Wastes	10. Classification of Toxins
18	01/14	Final Report	Group Briefings and Term Paper

Textbook and References:

1. Masters, G. M. and W. P. Ela, 2008, *Introduction to Environmental Engineering and Science*, 3rd Edition, Pearson Education, Upper Saddle River, N.J.
2. Nemerow, N.L., F.J. Agardy, P. Sullivan, and J.A. Salvato (Editors), 2009, *Environmental Engineering*, 6th Edition, John Wiley, Hoboken, N.J.
3. Vesilind, P.A., S.M. Morgan, and L.G. Heine, 2010, *Introduction to Environmental Engineering*, 3rd Edition, Cengage Learning, Singapore.