

CENG4720 Environmental Impact Assessment and Management System

	Topics	Remarks
Week 1	Introduction to EIA and EMS	Assignment 1 Due Date on 29 th Feb 2023
Week 2	Pollution and the Environment Environmental Legislation and Licensing Requirements	
Week 3	Process of conducting an EIA in Hong Kong and an example of EIA	
Week 4	The case of an EIA for a power plant extension in Hong Kong	Assignment 2 Due Date on 28 th March 2023
Week 5	Waste Reduction/Minimization Life Cycle Analysis	
Week 6	SIMAPRO software for LCA analysis	
Week 7	Hazardous Waste Management	
Week 8	Environmental Audit and Waste Audit	Assignment 3 Due Date on 30 rd April 2023
Week 9	Environmental Risk and Acceptability, BATNEEC, BPM and Integrated Pollution Control	
Week 10	Sustainable Development	
Week 11	Environmental Management System and an Example of Environmental System	
Week 12	Waste Minimization examples	Combined Final Report Due Date on 10th of May 2023
Week 13	ESG and Review Lecture	

Assessment

Assignments –	EIA (60%)
Final Report –	EIA (10%)
Final Exam	(30%)

No textbooks for this course but references will be used as follows:

“Pollution Prevention for Chemical Processes” by David T. Allen and Kirsten Sinclair
Rosselot, John Wiley & Sons. 1997

“Green Engineering: Environmentally Conscious Design of Chemical Processes”, by David T. Allen and David R. Shonnard, Prentice Hall, 2002

Environmental Protection Department, Hong Kong (HKEPD) website

<http://www.epd.gov.hk/epd/>