COE Intensive Course on Advanced Wastewater Treatment Technologies 2006 (July 10-August 4 and November 27-29, 2006)

July	Monday 10	13:00-14:30	C21	D.J. Lee	1. Membrane Bioreactor (MBR: an aerobic wastewater treatment process that can produce quality effluent in a compact form) Membrane Bioreactor Process: Principles and Applications
	Tuesday 11	10:30-12:00	C21	D.J. Lee	Membrane Bioreactor Process: Membrane Fouling
	Wednesday 12	13:00-14:30	A101	D.J. Lee	2. Aerobic Granules (AG: a rather new aerobic wastewater treatment process that can retend high biomass in reactor without washout) Aerobic Granules: Formation and Characterization
	Thursday 13	10:30-12:00	A101	D.J. Lee	Aerobic Granules: Process Performance
	Tuesday 18	10:30-12:00	C21	D.J. Lee	3. Landfill Bioreactor (LB: using landfill as a bioreactor to treat leachate and stimulate solid waste degradation in situ) Landfill Bioreactor: Principle, Performance
	Tuesday 18	13:00-14:30	I204	D.J. Lee	Landfill Bioreactor: Enhanced Anaerobic Removal of Pollutants
August	Thursday 3	10:30-12:00	A101	G.H. Chen	Modelling of Sewage Treatment Processes-Theory and Real Application
	"	13:00-14:30	A101	G.H. Chen	Reuse of Alum Sludge to Enhance SS Removal and Phosphorus/NOM adsorption
	Friday 4	10:30-12:00	A101	Hang-Sik Shin	Anaerobic Digestion
	"	13:00-14:30	A101	Hang-Sik Shin	Biological Nutrient Removal
November	Monday 27	10:30-12:00	A101	Erik Arvin	Biological degradation of the gasoline additive MTBE in biofilters
	"	13:00-14:30	A101	Erik Arvin	Removal of pesticides from drinking water by granular activated carbon filters
	Tuesday 28	10:30-12:00	A151	James Edzwald	Coagulation that would cover the chemistry of coagulants and coagulation including removals of particles, pathogens such as Cryptosporidium and NOM
	"	13:00-14:30	A151	Rolf Gimbel	TBD - about Membrane technology
	Wednesday 29	10:30-12:00	A101	Erik Arvin	Removal of arsenic from groundwater in drinking water filters

LECTURERS	Prof. Duu Jung Lee	National Taiwan University, Taiwan
	Prof. Hang-Sik Shin	KAIST (Korea Advanced Institute Science and Technology), Korea
	Prof. Guang Hao Chen	Hong Kong University of Sci. & Tech., Hong Kong
	Prof. Erik Arvin	Technical University of Denmark, Denmark
	Prof. Rolf Gimbel	Universitat Duisburg-Essen, Germany
	Prof. James Edzwald	University of Massachusetts Amherst, USA