Curriculum

Classification	Subject No.	Subject Name	Lecture:Lab.: Credit (Homework)	Semester	Remark
Mandatory General Course	CC010	Special Lecutre on Leadership	1:0:0	Spring, Fall	
	CC020	Ethics and Safety Ⅰ	1AU	Spring, Fall	
	CC500	Scientific Writing	3:0:3(4)	Spring, Fall	
	CC510	Introduction to Computer Application	2:3:3(10)	Spring, Fall	
	CC511	Probability and Statistics	2:3:3(6)	Spring, Fall	
	CC512	Introduction to Materials and Engineering	3:0:3(3)	Spring, Fall	
	CC513	Engineering Economy and Cost Analysis	3:0:3(6)	Fall	
	CC522	Introduction to Instruments	2:3:3(8)	Fall	
Elective Course	ENV501	Introduction to Clean Technology	3:0:3(4)	Fall	
	CE573	Biological Wastewater Treatment Processes	3:1:3(6)	Spring	
	CBE672	Air Pollution Control	3:0:3(3)	Fall	
	CBE673	Water Pollution Control	3:0:3(3)	Fall	
	BS532	Applied and Environmental Microbiology	3:0:3(1)	Fall	
	NQE522	Nuclear Power Plant Design Project	3:0:3(6)	Spring	
	NQE541	Radioactive Waste Management	3:0:3(6)	Fall	
	BS760	Selected Topics in Environmental Biotechnology	3:0:3		
	BS536	Environmental Toxicology	3:0:3(2)	Fall	
	CBE503	Numerical Methods for Chemical Engineers	3:0:3(4)	Spring	
	CBE511	Design of Reaction Systems	3:0:3(4)	Spring	
	CBE512	Introduction to Catalysis Engineering	3:0:3(4)	Spring	
	CBE532	Mass Transfer	3:0:3(4)	Spring	
	ENV521	Environmental microbiology experiment	0:9:3	Winter	
	ENV651	Soil and Groundwater Pollution Management Engineering	3:0:3(3)	Spring, Fall	
	ENV661	Toxics Management Engineering	3:0:3(3)	Spring, Fall	
	ENV731	Advanced Water Quality Management Engineering	3:0:3(3)	Spring, Fall	
	ENV741	Advanced Air Pollution Control Technology	3:0:3(3)	Spring, Fall	
	ENV791	Special Topics in Environmental Engineering	3:0:3(3)	Spring, Fall	
	CE504	Advanced Environmental Chemistry	3:1:3(6)	Spring	
	CE571	Environmental Engineering Laboratory	1:6:3(10)	Summer	
	CE575	Industrial Wastewater Treatment	3:0:3(4)	Fall	
	CE579	Hazardous and Industrial Waste Treatment	3:1:3(8)	Fall	
	CBE571	Energy Engineering	3:0:3(4)	Fall	
	CBE680	Membrane Technology	3:0:3(3)	Fall	
	CBE632	Colloids and Surface Chemistry	3:0:3(3)		
	CBE761	Bioprocess Analysis and Control	3:0:3(3)	Spring	
	MAE513	Advanced Combustion	3:0:3(6)	Fall	
	MAE654	Noise Control	3:0:3(6)	Fall	
	MAE810	Special Topics in Thermal & Fluid Engineering	3:0:3(6)	Fall	
	MGT537	Environmental and Resource Economics	3:0:3(5)	Spring	
	NQE512	Nuclear Reactor Analysis and Design	3:0:3(6)	Spring	
	NQE513	Neutron and Quantum Particle Theory and Computation)	3:0:3(6)	Fall	
	NQE523	Nuclear Reactor Safety Ⅰ	3:0:3(6)	Fall	
	NQE624	Nuclear Fuel and Core Design	3:0:3(6)	Fall	
	NQE575	Nuclear Energy Policy	3:0:3(6)	Spring	
Research	ENV960	Thesis (Master student)			
	ENV980	Thesis (Ph.D. student)			
	ENV966	Seminar (Master student)	1:0:1		
	ENV986	Seminar (Ph.D. student)	1:0:1		