

National Kaohsiung Marine University
 Department of Marine Environmental Engineering
 The Courses of Technological Academy of Two Year System(Graduate School)

Obligatory Courses	N a m e o f C o u r s e s	Credit Points / Time of Class / Semester
		Physical Oceanography
	Marine biology	1Credit Points/1 Time of Class /1 Fall Semester
	Marine Chemistry and Geology	1Credit Points/1 Time of Class /1 FallSemester
	Seminar (I)	0Credit Points/2 Time of Class /1 Fall Semester
	Seminar (II)	0Credit Points/2 Time of Class /2 Fall Semester
	Topics Study (I)	0Credit Points/2 Time of Class /1 Spring Semester
	Topics Study (II)	0 Credit Points / 2 Time of Class /2Spring Semester
	Master Thesis	6 Credit Points / 6 Time of Class /2 Fall Semester、Spring Semester
Optional Courses	Coastal Sediment Transport	3Credit Points/3 Time of Class
	Coastal Engineering	3 Credit Points /3 Time of Class
	Estuary Mixing and Diffusion	3 Credit Points /3 Time of Class
	Marine Numeric Simulation	3 Credit Points /3 Time of Class
	Environmental Engineering Chemistry	3 Credit Points /3 Time of Class
	Marine Environmental Investigation and Monitoring	3 Credit Points /3 Time of Class
	Global Climate Change and Management	3 Credit Points /3 Time of Class
	Multivariate Statistical Analysis	3 Credit Points /3 Time of Class /1 Fall Semester
	Laboratory Quality Assurance and Quality Control	3 Credit Points /3 Time of Class /1 Fall Semester
	Water and Wastewater Engineering	3 Credit Points /3 Time of Class /1 Fall Semester
	Hazardous Waste Site Investigation and Remediation	3 Credit Points /3 Time of Class /1 Fall Semester
	Advanced Air Pollution	3 Credit Points /3 Time of Class /1Spring Semester
	Special Topics in Marine Pollution	3 Credit Points /3 Time of Class
	Advanced Fluid Mechanics	3 Credit Points /3 Time of Class /1 Spring Semester
	Coastal and Estuarine Ecology	3 Credit Points /3 Time of Class /1 Spring Semester
	Soil and Groundwater Pollution	3 Credit Points /3 Time of Class /1 Spring Semester
	Risk Assessment	3 Credit Points /3 Time of Class /1 Spring Semester
	Instrumental Analysis	3 Credit Points /3 Time of Class /1 Spring Semester
	Marine Hydrodynamics	3 Credit Points /3 Time of Class /1 Spring Semester
	Marine Ecological Engineering	3 Credit Points /3 Time of Class /1 Spring Semester
Analysis of Water Quality	3 Credit Points /3 Time of Class /1 Spring Semester	
Total		30 Credit Points
PS : Graduate Requirement: 30 Credits (minimum) , Required Courses:13 Credit (minimum) , Core Courses:17 Credit (minimum) .		