Department of Industrial Engineering and Management
Curriculum Requirements for Enrollees in the Academic Year 112 (Fall 2023)

Program	Master's Program for the Day Division	
Group	None	
Class Type	Regular Class	
Special Program	None	
Curriculum Committee	Department Curriculum	112.04.14
	College Curriculum	112.05.17
	University Curriculum	112.05.29
	Academic Affairs	112.05.29
Graduation Credits /Study Duration	At least 30 credits required (plus 6 thesis credits), with a study period of 1－4 years; actual graduation credits based on the table below.	
Credit Load per Semester	The courses and credits required for each semester are determined by the respective departments (or institutes). However, during the first academic year, the total number of credits per semester must not be fewer than 6 credits and not exceed 18 credits.	
Required and Elective	Credits	Subject Category
Required	9 Credits	Major Requirements (including Thesis)
Elective	21 Credits	Major Elective
Other Regulations		
Remarks	"Computer Course" means computer access is required (computer and internet usage fee).	

First Semester, First Year					Second Semester, First Year				
Course	Course	Course Name	Credits / Hours	Notes	Course	Course	Course Name	Credits / Hours	Notes
Major Required	M06403	Advanced Production and Operations Management	3/3		Major Required	M06A02	Seminar(2)	0/2	
Major Required	M06A01	Seminar(1)	0/2		Major Required	M06A05	Research Methods	0/2	
Major Elective	M06N01	Stochastic Models and Applications	3/3		Major Elective	M06N03	Introduction to Fuzzy Theory with Applications	3/3	
Major Elective	M06N05	Advanced Engineering Economy	3/3		Major Elective	M06N09	Design and Analysis of Experiments	3/3	
Major Elective	M06N08	Advanced Quality Management	3/3		Major Elective	M06N13	Inventory Management	3/3	
Major Elective	M06N20	Enterprise Management and Analysis	3/3		Major Elective	M06N15	Manufacturing Management	3/3	
Major Elective	M06N23	Marketing Strategy	3/3		Major Elective	M06N19	Six Sigma	3/3	
Major Elective	M06N38	Creative Thinking	3/3		Major Elective	M06N24	Multivariate Statistical Analysis	3/3	
Major Elective	M06N40	Scheduling Theory and Strategy	3/3		Major Elective	M06N28	Performance Evaluation and Management	3/3	
Major Elective	M06N49	Statistical Data Analysis	3/3		Major Elective	M06N41	Data mining	3/3	
Major Elective	M06N51	Seminars of Industrial Management	3/3		Major Elective	M06N42	Multi-objective Programming	3/3	
Major Elective	M06N52	Project Management Seminar	3/3		Major Elective	M06N43	Automatic Production System	3/3	
Major Elective	M06N53	Human Resource Management Specoal theory	3/3		Major Elective	M06N44	Operation Risk Management	3/3	
Major Elective	M06N55	Operations Research Specoal theory	3/3		Major Elective	M06N50	TRIZ Methods	3/3	

Major Elective	M06N56	International Supply Chain Management	3/3		Major Elective	M06N54	Reliability engineering Special theory	3/3	
Major Elective	M06N69	Seminars of Marketing Management	3/3		Major Elective	M06N57	Human factors engineering Special theory	3/3	
Major Elective	M06N64	New Product Development Management	3/3		Major Elective	M06N69	Seminars of Marketing Management	3/3	
					Major Elective	M06N70	Consumer Behavior	3/3	
					Major Elective	M06N71	International Marketing Management	3/3	

First Semester, Second Year					Second Semester, Second Year				
Course	Course	Course Name	Credits / Hours	Notes	Course	Course	Course Name	Credits / Hours	Notes
Major Required	M06A03	Seminar(3)	0/2		Major Required	M06A04	Seminar(4)	0/2	
Major Elective	M06N01	Stochastic Models and Applications	3/3		Major Required	M06B03	Thesis	6/6	
Major Elective	M06N30	Regression Analysis	3/3		Major Elective	M06N03	Introduction to Fuzzy Theory with Applications	3/3	
Major Elective	M06N34	System Simulation	3/3		Major Elective	M06N09	Design and Analysis of Experiments	3/3	
Major Elective	M06N38	Creative Thinking	3/3		Major Elective	M06N13	Inventory Management	3/3	
Major Elective	M06N49	Statistical Data Analysis	3/3		Major Elective	M06N15	Manufacturing Management	3/3	
Major Elective	M06N55	Operations Research Specoal theory	3/3		Major Elective	M06N19	Six Sigma	3/3	
Major Elective	M06N68	Taguchi Method Application	3/3		Major Elective	M06N24	Multivariate Statistical Analysis	3/3	
					Major Elective	M06N28	Performance Evaluation and Management	3/3	
					Major Elective	M06N41	Data mining	3/3	
					Major Elective	M06N42	Multi-objective Programming	3/3	
					Major Elective	M06N43	Automatic Production System	3/3	
					Major Elective	M06N44	Operation Risk Management	3/3	
					Major Elective	M06N50	TRIZ Methods	3/3	
					Major Elective	M06N54	Reliability engineering Special theory	3/3	
					Major Elective	M06N57	Human factors engineering Special theory	3/3	
					Major Elective	M06N69	Seminars of Marketing Management	3/3	
					Major Elective	M06N70	Consumer Behavior	3/3	
					Major Elective	M06N71	International Marketing Management	3/3	
					Major Elective	M06N77	Analytic Hierarchy Process Application	3/3	