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

Prog	gram	Master's Program for t	the Da	y Divi	ision		<u> </u>				
Gro	oup	None									
Class Type		International Student Program									
Special Program		None									
		Department Curriculum 112.04.14									
		College Curriculum 112.05.17									
Curriculum Committee		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 I	Load per ester	departments (or instit	utes)	. Howe	ever, during	g the first	determined by the resp academic year, the to- ts and not exceed 18 cm	tal nu	mber		
Required an	nd Elective	Credits Subject Category									
Requ	iired	9 Credits			Major Re	equirements	(including Thesis)				
Elec	ctive	21 Credits Major Elective									
Other Reg	gulations										
Rema	arks	"Computer Course" mear	ns com	puter	access is 1	required (c	omputer and internet us	sage f	ee).		
	First S	emester, First Year	ter, First Year Second Semester, First Year								
Course Category	Course Number	Course Name	Cre dit s/	Notes	Course Category	Course Number	Course Name	Cre dit s/	Notes		
			Hou rs					Hou rs			
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 Required	M06A16	Volunteer Services and Social Responsibility (1)	0/1		Major Required	M06A17	Volunteer Services and Social Responsibility (2)	0/1			
Major Elective	M06A12	Chinese Teaching(1)	2/2		Major Elective	M06A13	Chinese Teaching(2)	2/2			
Major Elective	M06A14	English for Science and Tech(1)	2/2		Major Elective	M06A15	English for Science and Tech(2)	2/2			
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	M06N30	Regression Analysis	3/3		Major Elective	M06N24	Multivariate Statistical Analysis	3/3			
Major Elective	M06N34	System Simulation	3/3		Major Elective	M06N28	Performance Evaluation and Management	3/3			
Major Elective	M06N38	Creative Thinking	3/3		Major Elective	M06N41	Data mining	3/3			

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Major Elective	M06N40	Scheduling Theory and Strategy	3/3		Major Elective	M06N42	Multi-objective Programming	3/3	
Major Elective	M06N49	Statistical Data Analysis	3/3		Major Elective	M06N43	Automatic Production System	3/3	
Major Elective	M06N52	Project Management Seminar	3/3		Major Elective	M06N44	Operation Risk Management	3/3	
Major Elective	M06N53	Human Resource Management Specoal theory	3/3		Major Elective	M06N50	TRIZ Methods	3/3	
Major Elective	M06N55	Operations Research Specoal theory	3/3		Major Elective	M06N51	Seminars of Industrial Management	3/3	
Major Elective	M06N56	International Supply Chain Management	3/3		Major Elective	M06N54	Reliability engineering Special theory	3/3	
Major Elective	M06N60	The Application of Alot	3/3		Major Elective	M06N57	Human factors engineering Special theory	3/3	
Major Elective	M06N62	IoT Application	3/3		Major Elective	M06N63	SMEs & Enterpreneurship	3/3	
Major Elective	M06N65	Advanced Material Science	3/3		Major Elective	M06N66	Reverse Engineering	3/3	
Major Elective	M06N68	Taguchi Method Application	3/3		Major Elective	M06N70	Consumer Behavior	3/3	
Major Elective	M06N69	Seminars of Marketing Management	3/3		Major Elective	M06N71	International Marketing Management	3/3	
Major Elective	M06N64	New Product Development Management	3/3						
	P: G					0 10			
	First Se	emester, Second Year				Second S	emester, Second Year		1
Course Category	Course Number	Course Name	Cre dit s/	Notes	Course Category	Course Number	Course Name	Cre dit s/	Notes
			Hou rs					Hou rs	
Major Required	M06A18	Volunteer Services and Social Responsibility (3)	0/1		Major Required	M06A19	Volunteer Services and Social Responsibility (4)	0/1	
Major Required	M06A03	Seminar(3)	0/2		Major Required	M06A04	Seminar(4)	0/2	
Major Elective	M06A12	O1 :							
Major Elective		Chinese Teaching(1)	2/2		Major Required	M06B03	Thesis	6/6	
	M06A14	English for Science and Tech(1)	2/2		Major Required Major Elective	M06A13	Chinese Teaching(2)	2/2	
Major Elective	M06A14 M06N01	English for Science	2/2		Required Major	M06A13	Chinese Teaching(2) English for Science and Tech(2)	2/2	
Major		English for Science and Tech(1) Stochastic Models and	2/2		Required Major Elective Major	M06A13	Chinese Teaching(2) English for Science	2/2	
Major Elective Major	M06N01	English for Science and Tech(1) Stochastic Models and Applications Advanced Engineering	2/2		Required Major Elective Major Elective Major	M06A13	Chinese Teaching(2) English for Science and Tech(2) Introduction to Fuzzy Theory with	2/2	
Major Elective Major Elective	M06N01 M06N05	English for Science and Tech(1) Stochastic Models and Applications Advanced Engineering Economy Advanced Quality	2/2 3/3 3/3		Required Major Elective Major Elective Major Elective Major Elective	M06A13 M06A15 M06N03	Chinese Teaching(2) English for Science and Tech(2) Introduction to Fuzzy Theory with Applications Design and Analysis	2/2 2/2 3/3	
Major Elective Major Elective Major Elective	M06N01 M06N05 M06N08	English for Science and Tech(1) Stochastic Models and Applications Advanced Engineering Economy Advanced Quality Management Enterprise Management	2/2 3/3 3/3 3/3		Required Major Elective Major Elective Major Elective Major Elective Major Elective	M06A13 M06A15 M06N03 M06N09	Chinese Teaching(2) English for Science and Tech(2) Introduction to Fuzzy Theory with Applications Design and Analysis of Experiments	2/2 2/2 3/3 3/3	
Major Elective Major Elective Major Elective Major Elective Major	M06N01 M06N05 M06N08 M06N20	English for Science and Tech(1) Stochastic Models and Applications Advanced Engineering Economy Advanced Quality Management Enterprise Management and Analysis	2/2 3/3 3/3 3/3 3/3		Required Major Elective Major Elective Major Elective Major Elective Major Elective Major	M06A13 M06A15 M06N03 M06N09 M06N13	Chinese Teaching(2) English for Science and Tech(2) Introduction to Fuzzy Theory with Applications Design and Analysis of Experiments Inventory Management Manufacturing	2/2 2/2 3/3 3/3 3/3	
Major Elective Major Elective Major Elective Major Elective Major Elective Major Elective	M06N01 M06N05 M06N08 M06N20 M06N23	English for Science and Tech(1) Stochastic Models and Applications Advanced Engineering Economy Advanced Quality Management Enterprise Management and Analysis Marketing Strategy	2/2 3/3 3/3 3/3 3/3 3/3		Required Major Elective	M06A13 M06A15 M06N03 M06N09 M06N13 M06N15	Chinese Teaching(2) English for Science and Tech(2) Introduction to Fuzzy Theory with Applications Design and Analysis of Experiments Inventory Management Manufacturing Management	2/2 2/2 3/3 3/3 3/3 3/3	
Major Elective	M06N01 M06N05 M06N08 M06N20 M06N23 M06N30	English for Science and Tech(1) Stochastic Models and Applications Advanced Engineering Economy Advanced Quality Management Enterprise Management and Analysis Marketing Strategy Regression Analysis	2/2 3/3 3/3 3/3 3/3 3/3 3/3		Required Major Elective	M06A13 M06A15 M06N03 M06N09 M06N13 M06N15 M06N19	Chinese Teaching(2) English for Science and Tech(2) Introduction to Fuzzy Theory with Applications Design and Analysis of Experiments Inventory Management Manufacturing Management Six Sigma Multivariate	2/2 2/2 3/3 3/3 3/3 3/3 3/3	
Major Elective Major Elective	M06N01 M06N05 M06N08 M06N20 M06N23 M06N30 M06N34	English for Science and Tech(1) Stochastic Models and Applications Advanced Engineering Economy Advanced Quality Management Enterprise Management and Analysis Marketing Strategy Regression Analysis System Simulation	2/2 3/3 3/3 3/3 3/3 3/3 3/3		Required Major Elective	M06A13 M06A15 M06N03 M06N09 M06N13 M06N15 M06N19 M06N24	Chinese Teaching(2) English for Science and Tech(2) Introduction to Fuzzy Theory with Applications Design and Analysis of Experiments Inventory Management Manufacturing Management Six Sigma Multivariate Statistical Analysis Performance Evaluation and	2/2 2/2 3/3 3/3 3/3 3/3 3/3 3/3	
Major Elective Major Elective	M06N01 M06N05 M06N08 M06N20 M06N23 M06N30 M06N34 M06N38	English for Science and Tech(1) Stochastic Models and Applications Advanced Engineering Economy Advanced Quality Management Enterprise Management and Analysis Marketing Strategy Regression Analysis System Simulation Creative Thinking Scheduling Theory and	2/2 3/3 3/3 3/3 3/3 3/3 3/3 3/3		Required Major Elective	M06A13 M06A15 M06N03 M06N09 M06N13 M06N15 M06N19 M06N24 M06N28	Chinese Teaching(2) English for Science and Tech(2) Introduction to Fuzzy Theory with Applications Design and Analysis of Experiments Inventory Management Manufacturing Management Six Sigma Multivariate Statistical Analysis Performance Evaluation and Management	2/2 2/2 3/3 3/3 3/3 3/3 3/3 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	M06N51	Seminars of Industrial Management	3/3	
Major Elective	M06N60	The Application of Alot	3/3	Major Elective	M06N54	Reliability engineering Special theory	3/3	
Major Elective	M06N62	IoT Application	3/3	Major Elective	M06N57	Human factors engineering Special theory	3/3	
Major Elective	M06N65	Advanced Material Science	3/3	Major Elective	M06N63	SMEs & Enterpreneurship	3/3	
Major Elective	M06N68	Taguchi Method Application	3/3	Major Elective	M06N66	Reverse Engineering	3/3	
Major Elective	M06N69	Seminars of Marketing Management	3/3	Major Elective	M06N70	Consumer Behavior	3/3	
Major Elective	M06N64	New Product Development Management	3/3	Major Elective	M06N71	International Marketing Management	3/3	