

INDUSTRIAL ENGINEERING DEPARTMENT GRADUATE CURRICULUM

I. Semester					
Code	Course Name	T	A	C	ECTS
ENDM601	Scientific Research Methods and Ethics	3	0	3	7.5
ENDM603	Linear Optimization Methods	3	0	3	7.5
ENDM6**	Elective Courses	3	0	3	7.5

II. Semester					
Code	Course Name	T	A	C	ECTS
ENDM602	Seminar	0	0	0	7.5
END604	Stochastic Processes	3	0	3	7.5
ENDM699	Master Thesis Advisory	0	1	0	0
ENDM6**	Elective Courses	3	0	3	7.5

III. Semester					
Code	Course Name	T	A	C	ECTS
ENDM600	Master Thesis	0	0	0	30
ENDM650	Specialization Field Course	4	0	0	0

IV. Semester					
Code	Course Name	T	A	C	ECTS
ENDM600	Master Thesis	0	0	0	30
ENDM650	Specialization Field Course	4	0	0	0

Elective Courses

I. Semester					
Code	Course Name	T	A	C	ECTS
ENDM605	Production Planning and Scheduling	3	0	3	7.5
ENDM607	Graph Theory and Applications	3	0	3	7.5
ENDM609	Queueing Theory	3	0	3	7.5
ENDM611	Multi-objective and Multi-criteria Programming	3	0	3	7.5
ENDM613	Inventory Theory	3	0	3	7.5
ENDM615	Fuzzy Set Theory	3	0	3	7.5
ENDM617	Advanced Forecasting Techniques	3	0	3	7.5
ENDM619	Process Improvement Techniques	3	0	3	7.5
ENDM621	Humanitarian Logistics	3	0	3	7.5
ENDM623	Special Topics in Industrial Engineering	3	0	3	7.5

II. Semester					
Code	Course Name	T	A	C	ECTS
ENDM606	Nonlinear Optimization Methods	3	0	3	7.5
ENDM608	Network Optimization and Applications	3	0	3	7.5
ENDM610	Discrete Optimization Methods	3	0	3	7.5
ENDM612	Metaheuristic Methods	3	0	3	7.5
ENDM614	Machine Learning	3	0	3	7.5
ENDM616	Dynamic Programming	3	0	3	7.5
ENDM618	Strategic Supply Chain Management	3	0	3	7.5
ENDM620	Cognitive Ergonomics	3	0	3	7.5
ENDM622	Competition and Marketing Management	3	0	3	7.5