

ENGINEERING FACULTY DEPARTMENT OF INDUSTRIAL ENGINEERING	COMPUTER ENGINEERING	ELECTRICAL AND ELECTRONICS ENGINEERING	MECHANICAL ENGINEERING	NAVAL ARCHITECTURE and MARINE ENGINEERING
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I. SEMESTER

Course Code	Course Name	T	A	L	C	ECTS C	Prerequisite				
MATE 112	Mathematics I	3	2	0	4.0	6		Muaf	Muaf	Muaf	Muaf
PHYE 112	Physics I	3	0	2	4.0	6		Muaf	Muaf	Muaf	Muaf
MATE 113	Linear Algebra	3	0	0	3.0	5		Muaf	Muaf	Muaf	Muaf
MEEN 122	Computer Aided Technical Drawing	1	0	2	2.0	4		Sorumlu	Sorumlu	Muaf	Muaf
IE 111	Introduction to Industrial Engineering	3	0	0	3.0	5		Sorumlu	Sorumlu	Sorumlu	Sorumlu
COMP 114	Computer Programming	3	0	0	3.0	5		Muaf	Muaf	Muaf	Muaf
Total		16	2	4	19.0	31					

II. SEMESTER

Course Code	Course Name	T	A	L	C	ECTS C	Prerequisite				
MATE 122	Mathematics II	3	2	0	4.0	6		Muaf	Muaf	Muaf	Muaf
PHYE 122	Physics II	3	0	2	4.0	6		Muaf	Muaf	Muaf	Muaf
CHM 113	Chemistry	3	0	2	4.0	6		Muaf	Muaf	Muaf	Muaf
CAR C01	Career Planning	1	0	0	0.0	1		Muaf	Muaf	Muaf	Muaf
IE 121	Manufacturing Processes	3	0	0	3.0	5		Sorumlu	Sorumlu	Muaf	Muaf
IE 122	Cost Accounting	3	0	0	3.0	5		Sorumlu	Sorumlu	Sorumlu	Sorumlu
IE S01	Industrial Training I	0	0	0	0.0	2		Muaf	Muaf	Muaf	Muaf
Total		16	2	4	18.0	31					

III. SEMESTER

Course Code	Course Name	T	A	L	C	ECTS C	Prerequisite				
ENF 216	Differential Equations	4	0	0	4.0	6	MATE 122	Muaf	Muaf	Muaf	Muaf
TUR C001	Turkish Language I	2	0	0	0.0	2		Muaf	Muaf	Muaf	Muaf
ATA C001	Atatürk's Principles and History of Revolution I	2	0	0	0.0	2		Muaf	Muaf	Muaf	Muaf
IE 211	Economics	3	0	0	3.0	5		Sorumlu	Sorumlu	Sorumlu	Muaf
IE 212	Database Management	3	0	0	3.0	5		Muaf	Sorumlu	Sorumlu	Sorumlu
IE 213	Management and Organization	3	0	0	3.0	5		Sorumlu	Sorumlu	Muaf	Sorumlu
IE 214	Theory of Probability	3	0	0	3.0	5	MATE 122	Muaf	Muaf	Muaf	Muaf
Total		20	0	0	16.0	30					

IV. SEMESTER

Course Code	Course Name	T	A	L	C	ECTS C	Prerequisite				
TUR C002	Turkish Language II	2	0	0	0.0	2		Muaf	Muaf	Muaf	Muaf
ATA C002	Atatürk's Principles and History of Revolution II	2	0	0	0.0	2		Muaf	Muaf	Muaf	Muaf
IE 221	Facility Design and Planning	3	0	0	3.0	5		Sorumlu	Sorumlu	Sorumlu	Sorumlu
IE 222	Statistics	3	0	0	3.0	5	IE 214	Sorumlu	Sorumlu	Sorumlu	Sorumlu
IE 223	Ergonomics and Human Factors Engineering	3	0	0	3.0	5		Sorumlu	Sorumlu	Sorumlu	Sorumlu
IE 224	Engineering Economics	3	0	0	3.0	5	IE 211	Sorumlu	Sorumlu	Muaf	Sorumlu
	Social Elective I	3	0	0	3.0	5		Muaf	Muaf	Muaf	Muaf
IE S02	Industrial Training II	0	0	0	0.0	2	IE S01	Sorumlu	Sorumlu	Sorumlu	Sorumlu
Total		19	0	0	15.0	31					

V. SEMESTER

Course Code	Course Name	T	A	L	C	ECTS C	Prerequisite				
IE 311	Operations Research I	3	0	0	3.0	6	MATE 113	Sorumlu	Sorumlu	Sorumlu	Sorumlu
IE 312	Computer Integrated Manufacturing Systems	3	0	0	3.0	5		Sorumlu	Sorumlu	Sorumlu	Sorumlu
IE 313	Production Planning and Control	3	0	0	3.0	5		Sorumlu	Sorumlu	Sorumlu	Sorumlu

IE 314	Stochastic Models	3	0	0	3.0	5	IE 222	Sorumlu	Sorumlu	Sorumlu	Sorumlu
	Social Elective II	3	0	0	3.0	5		Muaf	Muaf	Muaf	Muaf
	Technical Elective (Functional-1)	3	0	0	3.0	5		Sorumlu	Sorumlu	Sorumlu	Sorumlu
Total		18	0	0	18.0	31					

VI. SEMESTER

Course Code	Course Name	T	A	L	C	ECTS C	Prerequisite				
IE 321	Operations Research II	3	0	0	3.0	6	IE 311	Sorumlu	Sorumlu	Sorumlu	Sorumlu
IE 322	Simulation Theory	3	0	0	3.0	5	IE 314	Sorumlu	Sorumlu	Sorumlu	Sorumlu
IE 323	Statistical Quality Control	3	0	0	3.0	5	IE 222	Sorumlu	Sorumlu	Sorumlu	Sorumlu
	Technical Elective (Functional-2)	3	0	0	3.0	5		Sorumlu	Sorumlu	Sorumlu	Sorumlu
	Technical Elective (Analytical-1)	3	0	0	3.0	5		Sorumlu	Sorumlu	Sorumlu	Sorumlu
	Technical Elective (Analytical-2)	3	0	0	3.0	5		Sorumlu	Sorumlu	Sorumlu	Sorumlu
IE S03	Industrial Training III	0	0	0	0.0	2	IE S02	Sorumlu	Sorumlu	Sorumlu	Sorumlu
Total		18	0	0	18.0	33					

VII. SEMESTER

Course Code	Course Name	T	A	L	C	ECTS C	Prerequisite				
ENF 411	Occupational Health and Safety	2	0	0	2.0	3		Muaf	Muaf	Muaf	Muaf
IE 411	Dissertation Project I	2	3	0	3.5	8	IE 321, IE 322, IE 313, IE323	Sorumlu	Sorumlu	Sorumlu	Sorumlu
IE 412	Strategic Management	3	0	0	3.0	5	IE 213	Sorumlu	Sorumlu	Sorumlu	Sorumlu
	Technical Elective (Analytical-3)	3	0	0	3.0	5		Sorumlu	Sorumlu	Sorumlu	Sorumlu
	Faculty Elective-1	3	0	0	3.0	5	IE 321, IE 322, IE 313, IE323	Muaf	Muaf	Muaf	Muaf
Total		13	3	0	14.5	26					

VIII. SEMESTER

Course Code	Course Name	T	A	L	C	ECTS C	Prerequisite				
IE 421	Dissertation Project II	2	3	0	3.5	8		Sorumlu	Sorumlu	Sorumlu	Sorumlu
	Technical Elective (Functional-3)	3	0	0	3.0	5		Sorumlu	Sorumlu	Sorumlu	Sorumlu
	Faculty Elective-2	3	0	0	3.0	5		Muaf	Muaf	Muaf	Muaf
	Social Elective III	3	0	0	3.0	5		Muaf	Muaf	Muaf	Muaf
	Technical Elective (Analytical-4)	3	0	0	3.0	5		Sorumlu	Sorumlu	Sorumlu	Sorumlu
Total		14	3	0	15.5	28					

Total local credit of 3rd and 4th years: 66.0 Total ECTS C: 118

T: Lecture hours per week, U: Tutorial hours per week, L: Laboratory hours per week, C: Local credits

ECTS C: European Credit Transfer System credits

Total Local Credits:	134.0
Total AKTS Credits:	241.0