

ENGINEERING FACULTY DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING COURSE PLAN							NAVAL ARCHITECTURE and MARINE ENGINEERING	MECHANICAL ENGINEERING	COMPUTER ENGINEERING	INDUSTRIAL 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
COMP 113	Computer Technology And Programming	2	0	1	2.5	4		Muaf	Muaf	Muaf	Muaf
ELK 115	Fundamentals of Electrical and Electronics Engineering	2	2	1	3.5	6		Sorumlu	Sorumlu	Sorumlu	Sorumlu
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
Total		17	4	4	17.0	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
ELK 122	Fundamentals of C/C++ Programming Language	2	0	2	3.0	5		Sorumlu	Sorumlu	Muaf	Sorumlu
ELK 121	Circuit Analysis I	2	2	1	3.5	6		Sorumlu	Sorumlu	Sorumlu	Sorumlu
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
CAR C01	Career Planning	1	0	0	0.0	1		Muaf	Muaf	Muaf	Muaf
Total		15	4	5	14.5	28					

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
ENF 211	Probability and Statistics	3	0	0	3.0	5		Muaf	Muaf	Muaf	Muaf
ELK 211	Circuit Analysis II	2	2	1	3.5	6	ELK 121	Sorumlu	Sorumlu	Sorumlu	Sorumlu
ELK 212	Digital Design	2	2	1	3.5	6	ELK 115	Sorumlu	Sorumlu	Sorumlu	Sorumlu
	Social Elective Course	3	0	0	3.0	5		Muaf	Muaf	Muaf	Muaf
Total		14	4	2	17.0	28					

IV. SEMESTER

Course Code	Course Name	T	A	L	C	ECTS C	Prerequisite				
ENF 225	Applied Engineering Mathematics	3	0	0	3.0	5	ENF 216	Sorumlu	Sorumlu	Sorumlu	Sorumlu
ELK 221	Electromagnetic Field Theory	3	0	0	3.0	5		Sorumlu	Sorumlu	Sorumlu	Sorumlu
ELK 222	Signals and Systems	2	2	1	3.5	7	ELK 211	Sorumlu	Sorumlu	Sorumlu	Sorumlu

ELK 224	Electronic Devices	2	2	1	3.5	7	ELK 115	Sorumlu	Sorumlu	Sorumlu	Sorumlu
	Social Elective Course	3	0	0	3.0	5		Muaf	Muaf	Muaf	Muaf
ELK S01	Industrial Training I	0	0	0	0.0	3		Sorumlu	Sorumlu	Sorumlu	Sorumlu
Total		13	4	2	16.0	32					

V. SEMESTER

Course Code	Course Name	T	A	L	C	ECTS C	Prerequisite				
ELK 311	Electromagnetic Wave Theory	3	0	0	3.0	5	ELK 221	Sorumlu	Sorumlu	Sorumlu	Sorumlu
	Technical Elective Course	3	0	0	3.0	5		Sorumlu	Sorumlu	Sorumlu	Sorumlu
ELK 313	Fundamentals of Electrical Machines *	2	2	1	3.5	7	ELK 211	Sorumlu	Sorumlu	Sorumlu	Sorumlu
ELK 314	Electronic Circuits	2	2	1	3.5	7	ELK 224	Sorumlu	Sorumlu	Sorumlu	Sorumlu
	Social Elective Course	3	0	0	3.0	5		Muaf	Muaf	Muaf	Muaf
Total		13	4	2	16.0	29					

VI. SEMESTER

Course Code	Course Name	T	A	L	C	ECTS C	Prerequisite				
ELK 321	Fundamentals of Communication Systems	2	2	1	3.5	7	ELK 222	Sorumlu	Sorumlu	Sorumlu	Sorumlu
ELK 322	Control Systems	3	0	0	3.0	5	ENF 216	Sorumlu	Sorumlu	Sorumlu	Sorumlu
	Technical Elective Course (with Lab.)	3	0	2	4.0	6		Sorumlu	Sorumlu	Sorumlu	Sorumlu
	Social Elective Course	3	0	0	3.0	5		Muaf	Muaf	Muaf	Muaf
	Technical Elective Course	3	0	0	3.0	5		Sorumlu	Sorumlu	Sorumlu	Sorumlu
ELK S02	Industrial Training II	0	0	0	0.0	3	ELK S01	Sorumlu	Sorumlu	Sorumlu	Sorumlu
Total		14	2	3	16.5	31					

VII. SEMESTER

Course Code	Course Name	T	A	L	C	ECTS C	Prerequisite				
ELK 410	Dissertation Project 1	2	3	0	3.5	8	ELK 321	Sorumlu	Sorumlu	Sorumlu	Sorumlu
	Technical Elective Course (with Lab.)	3	0	2	4.0	6		Sorumlu	Sorumlu	Sorumlu	Sorumlu
	Technical Elective Course (with Lab.)	3	0	2	4.0	6		Sorumlu	Sorumlu	Sorumlu	Sorumlu
ENF 411	Occupational Health and Safety	2	0	0	2.0	3		Muaf	Muaf	Muaf	Muaf
	Social Elective Course	3	0	0	3.0	5		Muaf	Muaf	Muaf	Sorumlu
	Faculty Elective Course-1	3	0	0	3.0	5	ELK 321	Muaf	Muaf	Muaf	Muaf
Total		16	3	4	19.5	33					

VIII. SEMESTER

Course Code	Course Name	T	A	L	C	ECTS C	Prerequisite				
ELK 420	Dissertation Project 2	2	3	0	3.5	8	ELK 410	Sorumlu	Sorumlu	Sorumlu	Sorumlu
	Technical Elective Course	3	0	0	3.0	5		Sorumlu	Sorumlu	Sorumlu	Sorumlu
	Faculty Elective Course-2	3	0	0	3.0	5		Muaf	Muaf	Muaf	Muaf
	Social Elective Course	3	0	0	3.0	5		Sorumlu	Muaf	Muaf	Sorumlu
	Social Elective Course	3	0	0	3.0	5		Sorumlu	Sorumlu	Muaf	Sorumlu
Total		14	3	0	15.5	28					

Total local credit of 3rd and 4th years: 67.5 Total ECTS C: 121

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:	132.0
Total AKTS Credits:	240.0