

ENGINEERING FACULTY DEPARTMENT OF MECHANICAL ENGINEERING COURSE PLAN	NAVAL ARCHITECTURE and MARINE ENGINEERING	COMPUTER ENGINEERING	ELECTRICAL AND ELECTRONICS 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
CHM 113	Chemistry	3	0	2	4.0	6		Muaf	Sorumlu	Muaf	Muaf
MEEN 111	Introduction to Mechanical Engineering	1	1	0	1.5	3		Sorumlu	Sorumlu	Sorumlu	Sorumlu
COMP 113	Computer Technology and Programming	2	0	1	2.5	4		Muaf	Muaf	Muaf	Muaf
ATA C001	Ataturk Principles and History of Revolution I	2	0	0	0.0	2		Muaf	Muaf	Muaf	Muaf
ENF 411	Occupational Health and Safety	2	0	0	2.0	3		Muaf	Muaf	Muaf	Muaf
Total		16	3	5	18.0	30					

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
MATE 113	Linear Algebra	3	0	0	3.0	5		Muaf	Muaf	Muaf	Muaf
PHYE 122	Physics II	3	0	2	4.0	6		Muaf	Muaf	Muaf	Muaf
MEEN 121	Statics	2	1	0	2.5	4		Sorumlu	Sorumlu	Sorumlu	Sorumlu
MEEN 122	Computer Aided Technical Drawing	1	0	2	2.0	4		Muaf	Sorumlu	Sorumlu	Muaf
ATA C002	Ataturk 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
MEEN S01	Industrial Training I	0	0	0	0.0	2		Sorumlu	Sorumlu	Sorumlu	Sorumlu
Total		15	3	4	15.5	30					

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
MEEN 212	Strength of Materials	3	1	0	3.5	4	MEEN 121	Muaf	Sorumlu	Sorumlu	Sorumlu
MEEN 213	Thermodynamics I	2	1	0	2.5	4		Muaf	Sorumlu	Sorumlu	Sorumlu
MEEN 214	Dynamics	2	1	0	2.5	4	MEEN 121	Muaf	Sorumlu	Sorumlu	Sorumlu
MEEN 215	Material Science	2	1	0	2.5	3		Sorumlu	Sorumlu	Sorumlu	Sorumlu
IE 213	Management and Organization	3	0	0	3.0	5		Sorumlu	Sorumlu	Sorumlu	Muaf
	Social Elective Course	3	0	0	3.0	5		Muaf	Muaf	Muaf	Muaf
Total		19	4	0	21.0	31					

IV. SEMESTER

Course Code	Course Name	T	A	L	C	ECTS C	Prerequisite				
MEEN 221	Thermodynamics II	2	1	0	2.5	4	MEEN 213	Sorumlu	Sorumlu	Sorumlu	Sorumlu
MEEN 223	Fluid Mechanics	3	1	0	3.5	4	MEEN 212	Muaf	Sorumlu	Sorumlu	Sorumlu
MEEN 225	Manufacturing Methods	2	1	0	2.5	3	MEEN 215	Sorumlu	Sorumlu	Sorumlu	Sorumlu
MEEN 216	Workshop for Engineers	0	0	3	1.5	2		Sorumlu	Sorumlu	Sorumlu	Sorumlu
IE 476	Project Management	3	0	0	3.0	5		Sorumlu	Muaf (Seçmeli olarak aldiysa)	Muaf (Seçmeli olarak aldiysa)	Muaf (Seçmeli ders olarak aldiysa)
	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
MEEN S02	Industrial Training II	0	0	0	0.0	2	MEEN S01	Sorumlu	Sorumlu	Sorumlu	Sorumlu
Total		16	3	3	19.0	30					

Total local credit of 1st and 2nd years: 73.5 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

V. SEMESTER

Course Code	Course Name	T	A	L	C	ECTS C	Prerequisite				
MEEN 311	Theory of Machines	2	1	0	2.5	4	MEEN 212	Sorumlu	Sorumlu	Sorumlu	Sorumlu
MEEN 312	Machine Element Design I	2	1	0	2.5	4	MEEN 212	Sorumlu	Sorumlu	Sorumlu	Sorumlu
MEEN 313	Heat Transfer	3	1	0	3.5	4	MEEN 223	Sorumlu	Sorumlu	Sorumlu	Sorumlu
ENF 211	Probability and Statistics	3	0	0	3.0	5	MATE 122	Muaf	Muaf	Muaf	Sorumlu
ENF 221	Numerical Methods for Engineers	2	1	0	2.5	3		Muaf	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
Total		18	4	0	20.0	30					

VI. SEMESTER

Course Code	Course Name	T	A	L	C	ECTS C	Prerequisite				
MEEN 321	Mechanical Vibrations	2	1	0	2.5	4	MEEN 214	Sorumlu	Sorumlu	Sorumlu	Sorumlu

MEEN 322	System Dynamics and Control	3	0	0	3.0	5	ENF 216	Sorumlu	Sorumlu	Sorumlu	Sorumlu
MEEN 323	Machine Element Design II	2	1	0	2.5	4	MEEN 312	Sorumlu	Sorumlu	Sorumlu	Sorumlu
ELK 219	Introduction to Electric Circuits	2	1	0	2.5	5	PHYE 122	Sorumlu	Muaf	Muaf	Sorumlu
MEEN 325	Thermal Engineering	2	1	0	2.5	4	MEEN 313	Sorumlu	Sorumlu	Sorumlu	Sorumlu
	Social Elective Course	3	0	0	3.0	5		Muaf	Muaf	Muaf	Muaf
MEEN S03	Industrial Training III	0	0	0	0.0	2	MEEN S02	Sorumlu	Sorumlu	Sorumlu	Sorumlu
Total		14	4	0	16.0	29					

VII. SEMESTER

Course Code	Course Name	T	A	L	C	ECTS C	Prerequisite				
MEEN 411	Mechanical Engineering Design - I	2	3	0	3.5	8	MEEN 323	Sorumlu	Sorumlu	Sorumlu	Sorumlu
ENF 421	Engineering Economics	3	0	0	3.0	5		Sorumlu	Muaf (Seçmeli olarak aldıysa)	Muaf (Seçmeli olarak aldıysa)	Muaf
TUR C001	Turkish Language I	2	0	0	0.0	2		Muaf	Muaf	Muaf	Muaf
	Faculty Elective Course-1	3	0	0	3.0	5	MEEN 323	Muaf	Muaf	Muaf	Muaf
	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
Total		16	3	0	15.5	30					

VIII. SEMESTER

Course Code	Course Name	T	A	L	C	ECTS C	Prerequisite				
MEEN 421	Mechanical Engineering Design - II	2	3	0	3.5	8	MEEN 411	Sorumlu	Sorumlu	Sorumlu	Sorumlu
MEEN 422	Mechanical Engineering Systems Laboratory	0	0	4	2.0	5	MEEN 223, MEEN 323	Sorumlu	Sorumlu	Sorumlu	Sorumlu
TUR C002	Turkish Language II	2	0	0	0.0	2		Muaf	Muaf	Muaf	Muaf
	Faculty Elective Course-2	3	0	0	3.0	5		Muaf	Muaf	Muaf	Muaf
	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
Total		13	3	4	14.5	30					

Total local credit of 3rd and 4th years: 66.0 Total ECTS C: 119

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:	139.5
Total AKTS Credits:	240.0