

**DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
DOUBLE MAJOR UNDERGRADUATE COURSE PLAN**

1 st SEMESTER							
Code	Course Name	ECTS	C	H	A	L	Prerequisite
YD11001	English - I	3	3,0	3	0	0	
MATH1001	Mathematics - I	5	4,0	4	0	0	
PHYS1001	Physics - I	5	3,5	3	0	1	
CHM1001	Basic Chemistry	5	3,5	3	0	1	
EEE1003	Introduction to Electrical and Electronics Engineering	2	2,0	2	0	0	
EEE1007	Fundamentals of Electrical Engineering	5	4,0	3	0	2	
EEE1009	Introduction to Computers	3	3,0	3	0	0	
EEE1011	Occupational Health and Safety - I	2	2,0	2	0	0	
Total Credit		30	25,0	23	0	4	

2 nd SEMESTER							
Code	Course Name	ECTS	C	H	A	L	Prerequisite
YD11002	English - II	3	3,0	3	0	0	
MATH1000	Mathematics - II	5	4,0	4	0	0	
PHYS1000	Physics - II	5	3,5	3	0	1	
EEE1000	Computer Programming	4	3,5	3	0	1	
EEE1002	Measurements in Electrical Engineering	4	3,0	2	0	2	EEE1007
EEE1XXX	Materials in Electrical Engineering	2	2,0	2	0	0	
EEE1006	Digital Design	5	3,5	3	0	1	EEE1009
EEE1XXX	Occupational Health and Safety - II	2	2,0	2	0	0	
Total Credit		30	24,5	22	0	5	

3 rd SEMESTER							
Code	Course Name	ECTS	C	H	A	L	Prerequisite
EEE2XXX	English in Engineering	4	3,0	3	0	0	
MATH2001	Differential Equations	5	4,0	4	0	0	
EEE2011	Probability and Random Processes	4	3,0	3	0	0	
EEE2019	Microprocessors	5	3,5	3	0	1	
EEE2XXX	Electromagnetic Fields	4	3,0	3	0	0	
EEE2XXY	Circuits - I	4	3,0	3	0	0	EEE1007
TURK2XXX	Turkish Language - I	2	0,0	2	0	0	
HIST2XXX	Ataturk's Principles and History of Revolution-I	2	0,0	2	0	0	
Total Credit		30	19,5	23	0	1	

4 th SEMESTER							
Code	Course Name	ECTS	C	H	A	L	Prerequisite
EEE2XXX	Engineering Mathematics	4	4,0	4	0	0	
EEE2008	Electronics - I	5	4,0	3	0	2	EEE1007
EEE2XXZ	Power Systems	4	3,0	3	0	0	
EEE2006	Circuits - II	5	4,0	3	0	2	EEE2XXY
EEE2XXX	Electromagnetic Waves	4	3,0	3	0	0	
EEE2XXX	Numerical Analysis	4	3,0	3	0	0	
TURK2XXX	Turkish Language - II	2	0,0	2	0	0	
HIST2XXX	Ataturk's Principles and History of Revolution-II	2	0,0	2	0	0	
Total Credit		30	21,0	23	0	4	

5 th SEMESTER							
Code	Course Name	ECTS	C	H	A	L	Prerequisite
EEE3003	System Dynamics and Control	4	3,0	3	0	0	
EEE3013	Signals and Systems	4	3,0	3	0	0	
EEE3009	Electronics - II	5	4,0	3	0	2	EEE2008
EEE3019	Electrical Machines- I	5	4,0	3	0	2	
EEE3021	Power Electronic Circuits	5	4,0	3	0	2	
EEE3029	Entrepreneurship	3	2,0	2	0	0	
	Technical Elective - T51	4	3,0	3	0	0	
Total Credit		30	23,0	20	0	6	

6 th SEMESTER							
Code	Course Name	ECTS	C	H	A	L	Prerequisite
EEE3XXX	Power Distribution Systems	5	4,0	3	0	2	EEE2XXZ
EEE3XXX	High Voltage Techniques	4	3,0	3	0	0	
EEE3XXX	Digital Signal Processing	5	4,0	3	0	2	
EEE3XXX	Communication Techniques	5	4,0	4	0	0	
EEE3034	Project Management	2	2,0	2	0	0	
	Technical Elective - T61	5	4,0	3	0	2	
	Social Elective - S61	4	2,0	2	0	0	
Total Credit		30	23,0	20	0	6	

7 th SEMESTER							
Code	Course Name	ECTS	C	H	A	L	Prerequisite
EEE4017	Professional Training - I	3	0,0	0	2	0	
EEE4XXY	Engineering Design	5	3,0	2	2	0	
ENG4XXX	Multidisciplinary Engineering Applications	2	1,0	0	2	0	
	Technical Elective - T71	6	3,0	2	0	2	
	Technical Elective - T71	6	3,0	2	0	2	
	Technical Elective - T72	4	2,0	2	0	0	
	Technical Elective - T72	4	2,0	2	0	0	
Total Credit		30	14,0	10	4	4	

8 th SEMESTER							
Code	Course Name	ECTS	C	H	A	L	Prerequisite
EEE4010	Professional Training - II	3	0,0	0	2	0	
EEE4XXX	Graduation Project	8	3,0	2	2	0	EEE4XXY
	Technical Elective - T81	5	2,0	2	0	0	
	Technical Elective - T81	5	2,0	2	0	0	
	Technical Elective - T81	5	2,0	2	0	0	
	Social Elective - S81	4	2,0	2	0	0	
Total Credit		30	11	10	2	0	
GRAND TOTAL CREDIT		240	161	151	6	30	

**DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
ELECTIVE COURSE PLAN**

5 th SEMESTER – Technical Elective Group T51							
One course should be selected from this group.							
Code	Course Name	ECTS	C	H	A	L	Prerequisite
EEE3015	Computer Communication	4	3	3	0	0	
EEE3017	Network Synthesis	4	3	3	0	0	
EEE3027	Embedded Systems	4	3	3	0	0	
EEE3XXX	Python Programming	4	3	3	0	0	

6 th SEMESTER - Technical Elective Group T61							
One course should be selected from this group.							
Code	Course Name	ECTS	C	H	A	L	Prerequisite
EEE3010	Automatic Control Systems	5	4,0	3	0	2	
EEE3020	Microwave Techniques	5	4,0	3	0	2	

6 th SEMESTER - Social Elective Group S61							
One course should be selected from this group.							
Code	Course Name	ECTS	C	H	A	L	Prerequisite
EEE3XXX	Technological Developments	4	2	2	0	0	
USEC0003	Professional Ethics	4	2	2	0	0	
USEC0012	Career Planning	4	2	2	0	0	
EEE3XXX	Engineering Economics	4	2	2	0	0	
USEC0007	Protection of Personal data	4	2	2	0	0	

7 th SEMESTER - Technical Elective Group T71							
Two courses should be selected from this group.							
Code	Course Name	ECTS	C	H	A	L	Prerequisite
EEE4XXX	Renewable Energy Systems	6	3	2	0	2	
EEE4XXX	Power System Protection	6	3	2	0	2	
EEE4XXX	Process Control	6	3	2	0	2	
EEE4XXX	Power Electronic Applications	6	3	2	0	2	
EEE4XXX	Antennas and Propagation	6	3	2	0	2	
EEE4XXX	Medical Electronics	6	3	2	0	2	
EEE4XXX	Digital Communication	6	3	2	0	2	
EEE4XXX	Industrial Electronics	6	3	2	0	2	

8 th SEMESTER - Technical Elective Group T81							
Three courses should be selected from this group.							
Code	Course Name	ECTS	C	H	A	L	Prerequisite
EEE4008	Power System Analysis	5	2	2	0	0	
EEE4004	Drive Systems	5	2	2	0	0	
EEE4034	Electrical machines - II	5	2	2	0	0	
EEE4014	Power System Design	5	2	2	0	0	
EEE4016	Electrical Vehicles	5	2	2	0	0	
EEE4028	Electromagnetic Compatibility	5	2	2	0	0	
EEE4024	Fiber optic Communication	5	2	2	0	0	
EEE4026	Communication Systems	5	2	2	0	0	
EEE4020	Digital Control Systems	5	2	2	0	0	
EEE4022	Intelligent Control Systems	5	2	2	0	0	
EEE4030	Mobile Communications	5	2	2	0	0	
EEE4046	Medical Imaging Techniques	5	2	2	0	0	
EEE4036	Electrochemical Biosensors	5	2	2	0	0	
EEE4044	Mechatronics	5	2	2	0	0	

7 th SEMESTER - Technical Elective Group T72							
Two courses should be selected from this group.							
Code	Course Name	ECTS	C	H	A	L	Prerequisite
EEE4025	Lighting Techniques	4	2	2	0	0	
EEE4027	Special Electric Machines	4	2	2	0	0	
EEE4029	Distributed Generation Systems	4	2	2	0	0	
EEE4031	Communication Electronics	4	2	2	0	0	
EEE4033	Image Processing	4	2	2	0	0	
ELK4037	Microwave Systems	4	2	2	0	0	
EEE4039	Electronic Device Techniques	4	2	2	0	0	
EEE4041	Introduction to Biomedical Optics	4	2	2	0	0	

8 th SEMESTER – Social Elective Group S81							
One course should be selected from this group.							
Code	Course Name	ECTS	C	H	A	L	Prerequisite
EEE4038	Business Law	4	2	2	0	0	
OPE4032	Management and Organization	4	2	2	0	0	
EEE4040	Information Crime Law	4	2	2	0	0	
EEE4042	Expertise Law and its Application	4	2	2	0	0	

FACULTY OF ENGINEERING

Computer Engineering Department students who are going to do double major in our department are exempt from the following courses.

1 st SEMESTER							
Code	Course Name	ECTS	C	H	A	L	Prerequisite
YDI1001	English - I	3	3,0	3	0	0	
MATH1001	Mathematics - I	5	4,0	4	0	0	
PHYS1001	Physics - I	5	3,5	3	0	1	
EEE1003	Introduction to Electrical and Electronics Engineering	2	2,0	2	0	0	
EEE1007	Fundamentals of Electrical Engineering	5	4,0	3	0	2	
EEE1009	Introduction to Computers	3	3,0	3	0	0	
EEE1011	Occupational Health and Safety - I	2	2,0	2	0	0	

2 nd SEMESTER							
Code	Course Name	ECTS	C	H	A	L	Prerequisite
YDI1002	English - II	3	3,0	3	0	0	
MATH1000	Mathematics - II	5	4,0	4	0	0	
PHYS1000	Physics - II	5	3,5	3	0	1	
EEE1000	Computer Programming	4	3,5	3	0	1	
EEE1006	Digital Design	5	3,5	3	0	1	EEE1009
EEE1XXX	Occupational Health and Safety - II	2	2,0	2	0	0	

3 rd SEMESTER							
Code	Course Name	ECTS	C	H	A	L	Prerequisite
MATH2001	Differential Equations	5	4,0	4	0	0	
EEE2011	Probability and Random Processes	4	3,0	3	0	0	
EEE2019	Microprocessors	5	3,5	3	0	1	
TURK2XXX	Turkish Language - I	2	0,0	2	0	0	
HIST2XXX	Ataturk's Principles and History of Revolution- I	2	0,0	2	0	0	

4 th SEMESTER							
Code	Course Name	ECTS	C	H	A	L	Prerequisite
EEE2XXX	Engineering Mathematics	4	4,0	4	0	0	
EEE2008	Electronics - I	5	4,0	3	0	2	EEE1007
EEE2XXX	Numerical Analysis	4	3,0	3	0	0	
TURK2XXX	Turkish Language - II	2	0,0	2	0	0	
HIST2XXX	Ataturk's Principles and History of Revolution- II	2	0,0	2	0	0	

5 th SEMESTER							
Code	Course Name	ECTS	C	H	A	L	Prerequisite
EEE3013	Signals and Systems	4	3,0	3	0	0	
EEE3029	Entrepreneurship	3	2,0	2	0	0	

6 th SEMESTER							
Code	Course Name	ECTS	C	H	A	L	Prerequisite

7 th SEMESTER							
Code	Course Name	ECTS	C	H	A	L	Prerequisite
EEE44017	Professional Training - I	3	0,0	0	2	0	
ENG4XXX	Multidisciplinary Engineering Applications	2	1,0	0	2	0	

8 th SEMESTER							
Code	Course Name	ECTS	C	H	A	L	Prerequisite
EEE4010	Professional Training - II	3	0,0	0	2	0	

DESCRIPTIONS:

1- The ECTS values of the courses from which students are exempt are written on them. Since students took equivalent courses from their own departments, they were considered exempt from these courses. There may be name and ECTS differences between exempt courses and their equivalents. Therefore, to achieve a total of 240 ECTS, the values given above must be written for the exempt courses on the Student Transcript.

2- If students see a similarity between the compulsory and/or elective courses they have taken from their own department and successfully passed, and the compulsory or elective courses of our department, they can request exemption from these courses.

FACULTY OF ENGINEERING

Industrial Engineering Department students who are going to do double major in our department are exempt from the following courses.

1 st SEMESTER							
Code	Course Name	ECTS	C	H	A	L	Prerequisite
YDI1001	English - I	3	3,0	3	0	0	
MATH1001	Mathematics - I	5	4,0	4	0	0	
PHYS1001	Physics - I	5	3,5	3	0	1	
CHM1001	Basic Chemistry	5	3,5	3	0	1	
EEE1011	Occupational Health and Safety - I	2	2,0	2	0	0	

2 nd SEMESTER							
Code	Course Name	ECTS	C	H	A	L	Prerequisite
YDI1002	English - II	3	3,0	3	0	0	
MATH1000	Mathematics - II	5	4,0	4	0	0	
PHYS1000	Physics - II	5	3,5	3	0	1	
EEE1XXX	Occupational Health and Safety - II	2	2,0	2	0	0	

3 rd SEMESTER							
Code	Course Name	ECTS	C	H	A	L	Prerequisite
MATH2001	Differential Equations	5	4,0	4	0	0	
TURK2XXX	Turkish Language - I	2	0,0	2	0	0	
HIST2XXX	Ataturk's Principles and History of Revolution- I	2	0,0	2	0	0	

4 th SEMESTER							
Code	Course Name	ECTS	C	H	A	L	Prerequisite
EEE2XXX	Engineering Mathematics	4	4,0	4	0	0	
TURK2XXX	Turkish Language - II	2	0,0	2	0	0	
HIST2XXX	Ataturk's Principles and History of Revolution- II	2	0,0	2	0	0	

5 th SEMESTER							
Code	Course Name	ECTS	C	H	A	L	Prerequisite

6 th SEMESTER							
Code	Course Name	ECTS	C	H	A	L	Prerequisite
EEE3034	Project Management	2	2,0	2	0	0	

7 th SEMESTER							
Code	Course Name	ECTS	C	H	A	L	Prerequisite
EEE44017	Professional Training - I	3	0,0	0	2	0	
ENG4XXX	Multidisciplinary Engineering Applications	2	1,0	0	2	0	

8 th SEMESTER							
Code	Course Name	ECTS	C	H	A	L	Prerequisite
EEE4010	Professional Training - II	3	0,0	0	2	0	

DESCRIPTIONS:

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FACULTY OF ENGINEERING

Map Engineering Department students who are going to do double major in our department are exempt from the following courses.

1 st SEMESTER							
Code	Course Name	ECTS	C	H	A	L	Prerequisite
YDI1001	English - I	3	3,0	3	0	0	
MATH1001	Mathematics - I	5	4,0	4	0	0	
PHYS1001	Physics - I	5	3,5	3	0	1	
CHM1001	Basic Chemistry	5	3,5	3	0	1	
EEE1011	Occupational Health and Safety - I	2	2,0	2	0	0	

2 nd SEMESTER							
Code	Course Name	ECTS	C	H	A	L	Prerequisite
YDI1002	English - II	3	3,0	3	0	0	
MATH1000	Mathematics - II	5	4,0	4	0	0	
PHYS1000	Physics - II	5	3,5	3	0	1	
EEE1XXX	Occupational Health and Safety - II	2	2,0	2	0	0	

3 rd SEMESTER							
Code	Course Name	ECTS	C	H	A	L	Prerequisite
EEE2XXX	English in Engineering	4	3,0	3	0	0	
MATH2001	Differential Equations	5	4,0	4	0	0	
TURK2XXX	Turkish Language - I	2	0,0	2	0	0	
HIST2XXX	Ataturk's Principles and History of Revolution-I	2	0,0	2	0	0	

4 th SEMESTER							
Code	Course Name	ECTS	C	H	A	L	Prerequisite
EEE2XXX	Engineering Mathematics	4	4,0	4	0	0	
TURK2XXX	Turkish Language - II	2	0,0	2	0	0	
HIST2XXX	Ataturk's Principles and History of Revolution-II	2	0,0	2	0	0	

5 th SEMESTER							
Code	Course Name	ECTS	C	H	A	L	Prerequisite

6 th SEMESTER							
Code	Course Name	ECTS	C	H	A	L	Prerequisite
EEE3034	Project Management	2	2,0	2	0	0	

7 th SEMESTER							
Code	Course Name	ECTS	C	H	A	L	Prerequisite
EEE44017	Professional Training - I	3	0,0	0	2	0	
ENG4XXX	Multidisciplinary Engineering Applications	2	1,0	0	2	0	

8 th SEMESTER							
Code	Course Name	ECTS	C	H	A	L	Prerequisite
EEE4010	Professional Training - II	3	0,0	0	2	0	

DESCRIPTIONS:

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2- If students see a similarity between the compulsory and/or elective courses they have taken from their own department and successfully passed, and the compulsory or elective courses of our department, they can request exemption from these courses.

FACULTY OF ENGINEERING

Civil Engineering Department students who are going to do double major in our department are exempt from the following courses.

1 st SEMESTER							
Code	Course Name	ECTS	C	H	A	L	Prerequisite
YDI1001	English - I	3	3,0	3	0	0	
MATH1001	Mathematics - I	5	4,0	4	0	0	
PHYS1001	Physics - I	5	3,5	3	0	1	
CHM1001	Basic Chemistry	5	3,5	3	0	1	
EEE1011	Occupational Health and Safety - I	2	2,0	2	0	0	

2 nd SEMESTER							
Code	Course Name	ECTS	C	H	A	L	Prerequisite
YDI1002	English - II	3	3,0	3	0	0	
MATH1000	Mathematics - II	5	4,0	4	0	0	
PHYS1000	Physics - II	5	3,5	3	0	1	
EEE1XXX	Occupational Health and Safety - II	2	2,0	2	0	0	

3 rd SEMESTER							
Code	Course Name	ECTS	C	H	A	L	Prerequisite
MATH2001	Differential Equations	5	4,0	4	0	0	
TURK2XXX	Turkish Language - I	2	0,0	2	0	0	
HIST2XXX	Ataturk's Principles and History of Revolution-I	2	0,0	2	0	0	

4 th SEMESTER							
Code	Course Name	ECTS	C	H	A	L	Prerequisite
EEE2XXX	Engineering Mathematics	4	4,0	4	0	0	
TURK2XXX	Turkish Language - II	2	0,0	2	0	0	
HIST2XXX	Ataturk's Principles and History of Revolution-II	2	0,0	2	0	0	

5 th SEMESTER							
Code	Course Name	ECTS	C	H	A	L	Prerequisite
EEE3029	Entrepreneurship	3	2,0	2	0	0	

6 th SEMESTER							
Code	Course Name	ECTS	C	H	A	L	Prerequisite

7 th SEMESTER							
Code	Course Name	ECTS	C	H	A	L	Prerequisite
EEE44017	Professional Training - I	3	0,0	0	2	0	
ENG4XXX	Multidisciplinary Engineering Applications	2	1,0	0	2	0	

8 th SEMESTER							
Code	Course Name	ECTS	C	H	A	L	Prerequisite
EEE4010	Professional Training - II	3	0,0	0	2	0	

DESCRIPTIONS:

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FACULTY OF ENGINEERING

Geophysical Engineering Department students who are going to do double major in our department are exempt from the following courses.

1 st SEMESTER							
Code	Course Name	ECTS	C	H	A	L	Prerequisite
YDI1001	English - I	3	3,0	3	0	0	
MATH1001	Mathematics - I	5	4,0	4	0	0	
PHYS1001	Physics - I	5	3,5	3	0	1	
CHM1001	Basic Chemistry	5	3,5	3	0	1	
EEE1011	Occupational Health and Safety - I	2	2,0	2	0	0	

2 nd SEMESTER							
Code	Course Name	ECTS	C	H	A	L	Prerequisite
YDI1002	English - II	3	3,0	3	0	0	
MATH1000	Mathematics - II	5	4,0	4	0	0	
PHYS1000	Physics - II	5	3,5	3	0	1	
EEE1XXX	Occupational Health and Safety - II	2	2,0	2	0	0	

3 rd SEMESTER							
Code	Course Name	ECTS	C	H	A	L	Prerequisite
MATH2001	Differential Equations	5	4,0	4	0	0	
EEE2011	Probability and Random Processes	4	3,0	3	0	0	
TURK2XXX	Turkish Language - I	2	0,0	2	0	0	
HIST2XXX	Ataturk's Principles and History of Revolution- I	2	0,0	2	0	0	

4 th SEMESTER							
Code	Course Name	ECTS	C	H	A	L	Prerequisite
TURK2XXX	Turkish Language - II	2	0,0	2	0	0	
HIST2XXX	Ataturk's Principles and History of Revolution- II	2	0,0	2	0	0	

7 th SEMESTER							
Code	Course Name	ECTS	C	H	A	L	Prerequisite
EEE44017	Professional Training - I	3	0,0	0	2	0	
ENG4XXX	Multidisciplinary Engineering Applications	2	1,0	0	2	0	

8 th SEMESTER							
Code	Course Name	ECTS	C	H	A	L	Prerequisite
EEE4010	Professional Training - II	3	0,0	0	2	0	

DESCRIPTIONS:

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2- If students see a similarity between the compulsory and/or elective courses they have taken from their own department and successfully passed, and the compulsory or elective courses of our department, they can request exemption from these courses.

FACULTY OF ENGINEERING

Geological Engineering Department students who are going to do double major in our department are exempt from the following courses.

1 st SEMESTER							
Code	Course Name	ECTS	C	H	A	L	Prerequisite
YDI1001	English - I	3	3,0	3	0	0	
MATH1001	Mathematics - I	5	4,0	4	0	0	
PHYS1001	Physics - I	5	3,5	3	0	1	
CHM1001	Basic Chemistry	5	3,5	3	0	1	
EEE1011	Occupational Health and Safety - I	2	2,0	2	0	0	

2 nd SEMESTER							
Code	Course Name	ECTS	C	H	A	L	Prerequisite
YDI1002	English - II	3	3,0	3	0	0	
MATH1000	Mathematics - II	5	4,0	4	0	0	
PHYS1000	Physics - II	5	3,5	3	0	1	
EEE1XXX	Occupational Health and Safety - II	2	2,0	2	0	0	

3 rd SEMESTER							
Code	Course Name	ECTS	C	H	A	L	Prerequisite
MATH2001	Differential Equations	5	4,0	4	0	0	
TURK2XXX	Turkish Language - I	2	0,0	2	0	0	
HIST2XXX	Ataturk's Principles and History of Revolution- I	2	0,0	2	0	0	

4 th SEMESTER							
Code	Course Name	ECTS	C	H	A	L	Prerequisite
TURK2XXX	Turkish Language - II	2	0,0	2	0	0	
HIST2XXX	Ataturk's Principles and History of Revolution- II	2	0,0	2	0	0	

7 th SEMESTER							
Code	Course Name	ECTS	C	H	A	L	Prerequisite
EEE44017	Professional Training - I	3	0,0	0	2	0	
ENG4XXX	Multidisciplinary Engineering Applications	2	1,0	0	2	0	

8 th SEMESTER							
Code	Course Name	ECTS	C	H	A	L	Prerequisite
EEE4010	Professional Training - II	3	0,0	0	2	0	

DESCRIPTIONS:

1- The ECTS values of the courses from which students are exempt are written on them. Since students took equivalent courses from their own departments, they were considered exempt from these courses. There may be name and ECTS differences between exempt courses and their equivalents. Therefore, to achieve a total of 240 ECTS, the values given above must be written for the exempt courses on the Student Transcript.

2- If students see a similarity between the compulsory and/or elective courses they have taken from their own department and successfully passed, and the compulsory or elective courses of our department, they can request exemption from these courses.

FACULTY OF ENGINEERING

Mining Engineering Department students who are going to do double major in our department are exempt from the following courses.

1 st SEMESTER							
Code	Course Name	ECTS	C	H	A	L	Prerequisite
YDI1001	English - I	3	3,0	3	0	0	
MATH1001	Mathematics - I	5	4,0	4	0	0	
PHYS1001	Physics - I	5	3,5	3	0	1	
CHM1001	Basic Chemistry	5	3,5	3	0	1	
EEE1011	Occupational Health and Safety - I	2	2,0	2	0	0	

2 nd SEMESTER							
Code	Course Name	ECTS	C	H	A	L	Prerequisite
YDI1002	English - II	3	3,0	3	0	0	
MATH1000	Mathematics - II	5	4,0	4	0	0	
PHYS1000	Physics - II	5	3,5	3	0	1	
EEE1XXX	Occupational Health and Safety - II	2	2,0	2	0	0	

3 rd SEMESTER							
Code	Course Name	ECTS	C	H	A	L	Prerequisite
MATH2001	Differential Equations	5	4,0	4	0	0	
TURK2XXX	Turkish Language - I	2	0,0	2	0	0	
HIST2XXX	Ataturk's Principles and History of Revolution- I	2	0,0	2	0	0	

4 th SEMESTER							
Code	Course Name	ECTS	C	H	A	L	Prerequisite
TURK2XXX	Turkish Language - II	2	0,0	2	0	0	
HIST2XXX	Ataturk's Principles and History of Revolution-II	2	0,0	2	0	0	

7 th SEMESTER							
Code	Course Name	ECTS	C	H	A	L	Prerequisite
EEE44017	Professional Training - I	3	0,0	0	2	0	
ENG4XXX	Multidisciplinary Engineering Applications	2	1,0	0	2	0	

8 th SEMESTER							
Code	Course Name	ECTS	C	H	A	L	Prerequisite
EEE4010	Professional Training - II	3	0,0	0	2	0	

DESCRIPTIONS:

1- The ECTS values of the courses from which students are exempt are written on them. Since students took equivalent courses from their own departments, they were considered exempt from these courses. There may be name and ECTS differences between exempt courses and their equivalents. Therefore, to achieve a total of 240 ECTS, the values given above must be written for the exempt courses on the Student Transcript.

2- If students see a similarity between the compulsory and/or elective courses they have taken from their own department and successfully passed, and the compulsory or elective courses of our department, they can request exemption from these courses.

FACULTY OF ENGINEERING

Mechanical Engineering Department students who are going to do double major in our department are exempt from the following courses.

1 st SEMESTER							
Code	Course Name	ECTS	C	H	A	L	Prerequisite
YDI1001	English - I	3	3,0	3	0	0	
MATH1001	Mathematics - I	5	4,0	4	0	0	
PHYS1001	Physics - I	5	3,5	3	0	1	
CHM1001	Basic Chemistry	5	3,5	3	0	1	
EEE1011	Occupational Health and Safety - I	2	2,0	2	0	0	

2 nd SEMESTER							
Code	Course Name	ECTS	C	H	A	L	Prerequisite
YDI1002	English - II	3	3,0	3	0	0	
MATH1000	Mathematics - II	5	4,0	4	0	0	
PHYS1000	Physics - II	5	3,5	3	0	1	
EEE1XXX	Occupational Health and Safety - II	2	2,0	2	0	0	

3 rd SEMESTER							
Code	Course Name	ECTS	C	H	A	L	Prerequisite
MATH2001	Differential Equations	5	4,0	4	0	0	
EEE2XXX	English in Engineering	4	3,0	3	0	0	
TURK2XXX	Turkish Language - I	2	0,0	2	0	0	
HIST2XXX	Ataturk's Principles and History of Revolution-I	2	0,0	2	0	0	

4 th SEMESTER							
Code	Course Name	ECTS	C	H	A	L	Prerequisite
EEE2XXX	Engineering Mathematics	4	4,0	4	0	0	
EEE2XXX	Numerical Analysis	4	3,0	3	0	0	
TURK2XXX	Turkish Language - II	2	0,0	2	0	0	
HIST2XXX	Ataturk's Principles and History of Revolution-II	2	0,0	2	0	0	

5 th SEMESTER							
Code	Course Name	ECTS	C	H	A	L	Prerequisite
EEE3003	System Dynamics and Control	4	3,0	3	0	0	

6 th SEMESTER							
Code	Course Name	ECTS	C	H	A	L	Prerequisite

7 th SEMESTER							
Code	Course Name	ECTS	C	H	A	L	Prerequisite
EEE44017	Professional Training - I	3	0,0	0	2	0	
ENG4XXX	Multidisciplinary Engineering Applications	2	1,0	0	2	0	

8 th SEMESTER							
Code	Course Name	ECTS	C	H	A	L	Prerequisite
EEE4010	Professional Training - II	3	0,0	0	2	0	

DESCRIPTIONS:

1- The ECTS values of the courses from which students are exempt are written on them. Since students took equivalent courses from their own departments, they were considered exempt from these courses. There may be name and ECTS differences between exempt courses and their equivalents. Therefore, to achieve a total of 240 ECTS, the values given above must be written for the exempt courses on the Student Transcript.

2- If students see a similarity between the compulsory and/or elective courses they have taken from their own department and successfully passed, and the compulsory or elective courses of our department, they can request exemption from these courses.

FACULTY OF ENGINEERING

Metallurgy and Materials Engineering Department students who are going to do double major in our department are exempt from the following courses.

1 st SEMESTER							
Code	Course Name	ECTS	C	H	A	L	Prerequisite
YDI1001	English - I	3	3,0	3	0	0	
MATH1001	Mathematics - I	5	4,0	4	0	0	
PHYS1001	Physics - I	5	3,5	3	0	1	
CHM1001	Basic Chemistry	5	3,5	3	0	1	
EEE1011	Occupational Health and Safety - I	2	2,0	2	0	0	

2 nd SEMESTER							
Code	Course Name	ECTS	C	H	A	L	Prerequisite
YDI1002	English - II	3	3,0	3	0	0	
MATH1000	Mathematics - II	5	4,0	4	0	0	
PHYS1000	Physics - II	5	3,5	3	0	1	
EEE1XXX	Occupational Health and Safety - II	2	2,0	2	0	0	

3 rd SEMESTER							
Code	Course Name	ECTS	C	H	A	L	Prerequisite
MATH2001	Differential Equations	5	4,0	4	0	0	
EEE2XXX	English in Engineering	4	3,0	3	0	0	
EEE2011	Probability and Random Processes	4	3,0	3	0	0	
TURK2XXX	Turkish Language - I	2	0,0	2	0	0	
HIST2XXX	Ataturk's Principles and History of Revolution-I	2	0,0	2	0	0	

4 th SEMESTER							
Code	Course Name	ECTS	C	H	A	L	Prerequisite
EEE2XXX	Engineering Mathematics	4	4,0	4	0	0	
EEE2XXX	Numerical Analysis	4	3,0	3	0	0	
TURK2XXX	Turkish Language - II	2	0,0	2	0	0	
HIST2XXX	Ataturk's Principles and History of Revolution-II	2	0,0	2	0	0	

7 th SEMESTER							
Code	Course Name	ECTS	C	H	A	L	Prerequisite
EEE44017	Professional Training - I	3	0,0	0	2	0	
ENG4XXX	Multidisciplinary Engineering Applications	2	1,0	0	2	0	

8 th SEMESTER							
Code	Course Name	ECTS	C	H	A	L	Prerequisite
EEE4010	Professional Training - II	3	0,0	0	2	0	

DESCRIPTIONS:

1- The ECTS values of the courses from which students are exempt are written on them. Since students took equivalent courses from their own departments, they were considered exempt from these courses. There may be name and ECTS differences between exempt courses and their equivalents. Therefore, to achieve a total of 240 ECTS, the values given above must be written for the exempt courses on the Student Transcript.

2- If students see a similarity between the compulsory and/or elective courses they have taken from their own department and successfully passed, and the compulsory or elective courses of our department, they can request exemption from these courses.

FACULTY OF SCIENCE

Physics Department students who are going to do double major in our department are exempt from the following courses.

1 st SEMESTER							
Code	Course Name	ECTS	C	H	A	L	Prerequisite
YDI1001	English - I	3	3,0	3	0	0	
MATH1001	Mathematics - I	5	4,0	4	0	0	
PHYS1001	Physics - I	5	3,5	3	0	1	
CHM1001	Basic Chemistry	5	3,5	3	0	1	

2 nd SEMESTER							
Code	Course Name	ECTS	C	H	A	L	Prerequisite
YDI1002	English - II	3	3,0	3	0	0	
MATH1000	Mathematics - II	5	4,0	4	0	0	
PHYS1000	Physics - II	5	3,5	3	0	1	

3 rd SEMESTER							
Code	Course Name	ECTS	C	H	A	L	Prerequisite
MATH2001	Differential Equations	5	4,0	4	0	0	
TURK2XXX	Turkish Language - I	2	0,0	2	0	0	
HIST2XXX	Ataturk's Principles and History of Revolution- I	2	0,0	2	0	0	

4 th SEMESTER							
Code	Course Name	ECTS	C	H	A	L	Prerequisite
TURK2XXX	Turkish Language - II	2	0,0	2	0	0	
HIST2XXX	Ataturk's Principles and History of Revolution- II	2	0,0	2	0	0	

DESCRIPTIONS:

1- The ECTS values of the courses from which students are exempt are written on them. Since students took equivalent courses from their own departments, they were considered exempt from these courses. There may be name and ECTS differences between exempt courses and their equivalents. Therefore, to achieve a total of 240 ECTS, the values given above must be written for the exempt courses on the Student Transcript.

2- If students see a similarity between the compulsory and/or elective courses they have taken from their own department and successfully passed, and the compulsory or elective courses of our department, they can request exemption from these courses.

OF FACULTY OF TECHNOLOGY

Energy Systems Engineering Department students who are going to do double major in our department are exempt from the following courses.

1 st SEMESTER							
Code	Course Name	ECTS	C	H	A	L	Prerequisite
YDI1001	English - I	3	3,0	3	0	0	
MATH1001	Mathematics - I	5	4,0	4	0	0	
PHYS1001	Physics - I	5	3,5	3	0	1	
CHM1001	Basic Chemistry	5	3,5	3	0	1	

2 nd SEMESTER							
Code	Course Name	ECTS	C	H	A	L	Prerequisite
YDI1002	English - II	3	3,0	3	0	0	
MATH1000	Mathematics - II	5	4,0	4	0	0	
PHYS1000	Physics - II	5	3,5	3	0	1	

3 rd SEMESTER							
Code	Course Name	ECTS	C	H	A	L	Prerequisite
MATH2001	Differential Equations	5	4,0	4	0	0	
TURK2XXX	Turkish Language - I	2	0,0	2	0	0	
HIST2XXX	Ataturk's Principles and History of Revolution- I	2	0,0	2	0	0	

4 th SEMESTER							
Code	Course Name	ECTS	C	H	A	L	Prerequisite
EEE2XXX	Engineering Mathematics	4	4,0	4	0	0	
EEE2XXX	Numerical Analysis	4	3,0	3	0	0	
TURK2XXX	Turkish Language - II	2	0,0	2	0	0	
HIST2XXX	Ataturk's Principles and History of Revolution- II	2	0,0	2	0	0	

5 th SEMESTER							
Code	Course Name	ECTS	C	H	A	L	Prerequisite
EEE3019	Electrical Machines- I	5	4,0	3	0	2	

6 th SEMESTER							
Code	Course Name	ECTS	C	H	A	L	Prerequisite

7 th SEMESTER							
Code	Course Name	ECTS	C	H	A	L	Prerequisite
EEE44017	Professional Training - I	3	0,0	0	2	0	

8 th SEMESTER							
Code	Course Name	ECTS	C	H	A	L	Prerequisite
EEE4010	Professional Training - II	3	0,0	0	2	0	

DESCRIPTIONS:

1- The ECTS values of the courses from which students are exempt are written on them. Since students took equivalent courses from their own departments, they were considered exempt from these courses. There may be name and ECTS differences between exempt courses and their equivalents. Therefore, to achieve a total of 240 ECTS, the values given above must be written for the exempt courses on the Student Transcript.

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