



1.Semester Course Plan				
Course Code	Course Name	T+A+L	Compulsory/Elective	ECTS
BLML161	Algorithms and Programming-I	2+2+0	Compulsory	6
EEML160	Introduction to Electrical-Electronic Technologies	3+0+0	Compulsory	3
MBBL001	Mathematics-I	4+2+0	Compulsory	7
MBBL017	Physics-I	4+2+0	Compulsory	7
ORTL101	Introduction to Higher Education and Career Planning	1+0+0	Compulsory	1
ORTL171	Turkish Language-I	2+0+0	Compulsory	2
YDLL101	English-I	2+0+0	Compulsory	2
YDLL111	Professional English for Engineering-I	2+0+0	Compulsory	2
Total ECTS				30

2.Semester Course Plan				
Course Code	Course Name	T+A+L	Compulsory/Elective	ECTS
BLML181	Computer Programming	1+2+0	Compulsory	3
EEML102	Fundamentals of Circuit Theory	2+2+0	Compulsory	3
MBBL003	Mathematics-II	4+2+0	Compulsory	7
MBBL007	Linear Algebra and Applications	2+2+0	Compulsory	4
MBBL019	Physics-II	4+2+0	Compulsory	7
ORTL271	Turkish Language-II	2+0+0	Compulsory	2
YDLL102	English-II	2+0+0	Compulsory	2
YDLL112	Professional English for Engineering-II	2+0+0	Compulsory	2
Total ECTS				30

3.Semester Course Plan				
Course Code	Course Name	T+A+L	Compulsory/Elective	ECTS
EEML201	Circuit Analysis	2+2+0	Compulsory	6
EEML203	Electric Circuits Laboratory	0+4+0	Compulsory	3
MBBL013	Discrete Mathematics	2+2+0	Compulsory	4
MBBL015	Differential Equations	2+2+0	Compulsory	6
MBBL021	Chemistry	2+0+0	Compulsory	3
MBBL205	Probability	2+2+0	Compulsory	6
ORTL161	Principles of Atatürk and History of Reforms-I	2+0+0	Compulsory	2
Total ECTS				30

4.Semester Course Plan				
Course Code	Course Name	T+A+L	Compulsory/Elective	ECTS
EEML202	Electronics-I	2+2+0	Compulsory	4
EEML204	Signals and Systems	2+2+0	Compulsory	4
EEML206	Electromagnetic Field Theory	3+0+0	Compulsory	4
EEML208	Introduction to Digital Design and Lab.	3+2+0	Compulsory	5
EEML210	Technical Drawing In Engineering	1+2+0	Compulsory	2
MBBL009	Numerical Analysis and Its Applications	2+2+0	Compulsory	5
MBBL011	Engineering Mathematics	2+2+0	Compulsory	4
ORTL261	Principles of Atatürk and History of Reforms-II	2+0+0	Compulsory	2
Total ECTS				30

5.Semester Course Plan				
Course Code	Course Name	T+A+L	Compulsory/Elective	ECTS
EEML305	Electromechanical Energy Conversion	3+0+0	Compulsory	4
EEML307	Electronics-II	2+2+0	Compulsory	4
EEML309	Communications Theory-I	3+0+0	Compulsory	5
EEML311	Microprocessors and Lab.	3+2+0	Compulsory	5
EEML317	Electromagnetic Wave Theory	3+0+0	Compulsory	5
ORTL363	Critical Thinking, Creativity and Entrepreneurship	2+0+0	Compulsory	2
Sec5.1	5th Century Technical Elective-I	-	Compulsory	5
Total ECTS				30

Course Groups				
BMML311	Deep Learning and Classification Techniques	3+0+0	Elective	5
EEML304	Power Electronics	3+0+0	Elective	5
EEML308	Communication Theory-II	3+0+0	Elective	5
EEML310	Electric Machines-I	3+0+0	Elective	5
EEML313	Fundamentals of Power Systems	3+0+0	Elective	5
EEML315	Digital Signal Processing and Lab.	3+0+0	Elective	5

EEML360	Antennas and Propagation	3+0+0	Elective	5
EEML361	Organic Building Electronic Systems	3+0+0	Elective	5
EEML362	Rail Systems	3+0+0	Elective	5
EEML364	Energy Generation Plants	3+0+0	Elective	5
EEML366	Renewable Energy	3+0+0	Elective	5
EEML368	Solid Hal Electronics	3+0+0	Elective	5
EEML370	Drawing Design In Engineering	3+0+0	Elective	5
EEML372	Television Technology With SUNNY	3+0+0	Elective	5
EEML380	Hardware and Software Design in Embedded Systems with Deka	3+0+0	Elective	5
EEML403	Protection in Power Systems	3+0+0	Elective	5
EEML405	Electrical Machines-II	3+0+0	Elective	5
EEML407	Energy Transmission and Distribution	3+0+0	Elective	5
EEML409	High Voltage Technique	3+0+0	Elective	5
EEML411	Communication Lab.	3+0+0	Elective	5
EEML413	Advanced Microprocessors System Design	3+0+0	Elective	5
EEML463	Lighting Technique	3+0+0	Elective	5
EEML465	Smart Urbanism Applications	3+0+0	Elective	5
EEML467	Introduction to Smart Grids	3+0+0	Elective	5

6.Semester Course Plan

Course Code	Course Name	T+A+L	Compulsory/Elective	ECTS
EEML302	Electronics Circuits Lab.	0+4+0	Compulsory	4
EEML306	Feedback Control Systems	3+2+0	Compulsory	5
ISLL308	Engineering Economy	2+0+0	Compulsory	2
ORTL361	Environmental Protection, Occupational Health and Safety	2+0+0	Compulsory	2
ORTL367	Professional Responsibilities and Ethics	2+0+0	Compulsory	2
Sec6.2	6.YY Technical Elective-II	-	Compulsory	5
Sec6.3	6.YY Teknik Seçmeli-III	-	Compulsory	5
Sec6.4	6.YY Technical Elective-IV	-	Compulsory	5
			Total ECTS	30
Course Groups				

BMML311	Deep Learning and Classification Techniques	3+0+0	Elective	5
EEML304	Power Electronics	3+0+0	Elective	5
EEML308	Communication Theory-II	3+0+0	Elective	5
EEML310	Electric Machines-I	3+0+0	Elective	5
EEML313	Fundamentals of Power Systems	3+0+0	Elective	5
EEML315	Digital Signal Processing and Lab.	3+0+0	Elective	5
EEML360	Antennas and Propagation	3+0+0	Elective	5
EEML361	Organic Building Electronic Systems	3+0+0	Elective	5
EEML362	Rail Systems	3+0+0	Elective	5
EEML364	Energy Generation Plants	3+0+0	Elective	5
EEML366	Renewable Energy	3+0+0	Elective	5
EEML368	Solid Hal Electronics	3+0+0	Elective	5
EEML370	Drawing Design In Engineering	3+0+0	Elective	5
EEML372	Television Technology With SUNNY	3+0+0	Elective	5
EEML380	Hardware and Software Design in Embedded Systems with Deka	3+0+0	Elective	5
EEML403	Protection in Power Systems	3+0+0	Elective	5
EEML405	Electrical Machines-II	3+0+0	Elective	5
EEML407	Energy Transmission and Distribution	3+0+0	Elective	5
EEML409	High Voltage Technique	3+0+0	Elective	5
EEML411	Communication Lab.	3+0+0	Elective	5
EEML413	Advanced Microprocessors System Design	3+0+0	Elective	5
EEML463	Lighting Technique	3+0+0	Elective	5
EEML465	Smart Urbanism Applications	3+0+0	Elective	5
EEML467	Introduction to Smart Grids	3+0+0	Elective	5

7.Semester Course Plan

Course Code	Course Name	T+A+L	Compulsory/Elective	ECTS
EEML461	Graduation Design Project	0+4+0	Compulsory	6
MMFL401	Interdisciplinary Project	2+0+0	Compulsory	4
ORTL371	Strategic Planning, Project and Risk Management	2+0+0	Compulsory	2
Sec7.3	6.YY Technical Elective-V	-	Compulsory	5
Sec7.4	6.YY Technical Elective-VI	-	Compulsory	5
Sec7.5	6.YY Technical Elective-VII	-	Compulsory	5
Sec7.6	University Elective-I	-	Compulsory	3
			Total ECTS	30
Course Groups				
BMML311	Deep Learning and Classification Techniques	3+0+0	Elective	5
EEML304	Power Electronics	3+0+0	Elective	5
EEML308	Communication Theory-II	3+0+0	Elective	5

EEML310	Electric Machines-I	3+0+0	Elective	5
EEML313	Fundamentals of Power Systems	3+0+0	Elective	5
EEML315	Digital Signal Processing and Lab.	3+0+0	Elective	5
EEML360	Antennas and Propagation	3+0+0	Elective	5
EEML361	Organic Building Electronic Systems	3+0+0	Elective	5
EEML362	Rail Systems	3+0+0	Elective	5
EEML364	Energy Generation Plants	3+0+0	Elective	5
EEML366	Renewable Energy	3+0+0	Elective	5
EEML368	Solid Hal Electronics	3+0+0	Elective	5
EEML370	Drawing Design In Engineering	3+0+0	Elective	5
EEML372	Television Technology With SUNNY	3+0+0	Elective	5
EEML380	Hardware and Software Design in Embedded Systems with Deka	3+0+0	Elective	5
EEML403	Protection in Power Systems	3+0+0	Elective	5
EEML405	Electrical Machines-II	3+0+0	Elective	5
EEML407	Energy Transmission and Distribution	3+0+0	Elective	5
EEML409	High Voltage Technique	3+0+0	Elective	5
EEML411	Communication Lab.	3+0+0	Elective	5
EEML413	Advanced Microprocessors System Design	3+0+0	Elective	5
EEML463	Lighting Technique	3+0+0	Elective	5
EEML465	Smart Urbanism Applications	3+0+0	Elective	5
EEML467	Introduction to Smart Grids	3+0+0	Elective	5
ORTL461	Project Mangement	1+0+0	Elective	1
ORTL465	Digital Literacy	1+0+0	Elective	1
ORTL467	Leadership and Teamwork	1+0+0	Elective	1
ÜSDL102	Motion Graphics Design	2+0+0	Elective	3
ÜSDL104	Food Poisoning	2+0+0	Elective	3
ÜSDL105	Philosophy of Art and Design	3+0+0	Elective	3
ÜSDL106	Visual Aesthetics and Creative Thinking	3+0+0	Elective	3
ÜSDL107	The Science Of The Indicator	3+0+0	Elective	3
ÜSDL109	The World of Genes	2+0+0	Elective	3
ÜSDL121	Main Topics of Contemporary Sociology	2+0+0	Elective	3
ÜSDL124	Yazılı Sözlü Anlatım Teknikleri	2+0+0	Elective	3
ÜSDL125	World Literature-II	2+0+0	Elective	3
ÜSDL127	Molecular Genetics of Cancer	2+0+0	Elective	3
ÜSDL131	Epidemics from History to the Present	2+0+0	Elective	3
ÜSDL133	Effective Presentation and Interview Techniques	3+0+0	Elective	3
ÜSDL134	Film Culture	3+0+0	Elective	3
ÜSDL135	Protocol and Relationship Management	3+0+0	Elective	3
ÜSDL136	Cinema and Psychoanalysis	2+0+0	Elective	3
ÜSDL138	Perception Management	2+0+0	Elective	3
ÜSDL139	Turkish Art History	2+0+0	Elective	3
ÜSDL146	Current Approaches in Organizational Behavior	3+0+0	Elective	3
ÜSDL147	Health Literacy	2+0+0	Elective	3
ÜSDL150	Health Technology	3+0+0	Elective	3
ÜSDL156	Nutrition in Disaster Situations	3+0+0	Elective	3
ÜSDL164	Disability and Life	3+0+0	Elective	3
ÜSDL177	The Global Economy	3+0+0	Elective	3
ÜSDL178	Career Management	3+0+0	Elective	3
ÜSDL180	Psychology	2+0+0	Elective	3
ÜSDL181	Introduction to Gender	2+0+0	Elective	3
ÜSDL182	World Literature-I	2+0+0	Elective	3

8.Semester Course Plan

Course Code	Course Name	T+A+L	Compulsory/Elective	ECTS
EEML400	Professional Training	0+8+0	Compulsory	10
EEML462	Graduation Project	0+4+0	Compulsory	12
ISLL206	Labor Law and Social Security	3+0+0	Compulsory	4
Sec8.2	University Elective-II	-	Compulsory	3
21ydl8.1	21St Century Competency Lessons	-	Compulsory	1
Total ECTS				30
Course Groups				
ORTL461	Project Mangement	1+0+0	Elective	1
ORTL463	Data Literacy	1+0+0	Elective	1
ORTL465	Digital Literacy	1+0+0	Elective	1
ORTL467	Leadership and Teamwork	1+0+0	Elective	1
ORTL469	Cs50X Coding	1+0+0	Elective	1
ÜSDL105	Philosophy of Art and Design	3+0+0	Elective	3
ÜSDL106	Visual Aesthetics and Creative Thinking	3+0+0	Elective	3
ÜSDL107	The Science Of The Indicator	3+0+0	Elective	3
ÜSDL131	Epidemics from History to the Present	2+0+0	Elective	3

ÜSDL133	Effective Presentation and Interview Techniques	3+0+0	Elective	3
ÜSDL134	Film Culture	3+0+0	Elective	3
ÜSDL135	Protocol and Relationship Management	3+0+0	Elective	3
ÜSDL146	Current Approaches in Organizational Behavior	3+0+0	Elective	3
ÜSDL150	Health Technology	3+0+0	Elective	3
ÜSDL156	Nutrition in Disaster Situations	3+0+0	Elective	3
ÜSDL164	Disability and Life	3+0+0	Elective	3
ÜSDL177	The Global Economy	3+0+0	Elective	3
ÜSDL178	Career Management	3+0+0	Elective	3
ÜSDL180	Psychology	2+0+0	Elective	3
ÜSDL181	Introduction to Gender	2+0+0	Elective	3
ÜSDL182	World Literature-I	2+0+0	Elective	3

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