



KİLİS 7 ARALIK UNIVERSITY
FACULTY OF ENGINEERING AND ARCHITECTURE

1.Semester Course Plan

#	Course Code	Course Name	T+A	ECTS	Compulsory/ Elective
	0603103	Use of Computers - I	3+0	4	Compulsory
	0603101	Mathematics - I	4+0	4	Compulsory
	0603105	Physics - I	3+0	4	Compulsory
	0603109	General Chemistry	3+0	3	Compulsory
	0603107	Computer Aided Technical Drawing - I	3+0	4	Compulsory
	0603001	Materials Science	2+0	2	Elective
	0102101	Principles Of Ataturk and Revolution History-I	2+0	2	Compulsory
	0101101	Turkish Language - I	2+0	2	Compulsory
	0103101	English - I	3+0	3	Compulsory
	0105101	Music - I	1+1	2	Elective
	0104101	Physical Education - I	1+1	2	Elective

2.Semester Course Plan

#	Course Code	Course Name	T+A	ECTS	Compulsory/ Elective
	0603104	C Programming	3+1	5	Compulsory
	0603102	Mathematics - II	4+0	4	Compulsory
	0603106	Physics - II	3+0	4	Compulsory
	0603110	Linear Algebra	4+0	4	Compulsory
	0603108	Introduction of Electrical and Electronics Engineering	2+0	2	Compulsory
	0603002	Measurement Techniques	2+0	2	Elective
	0102102	Principles of Ataturk and Revolution History - II	2+0	2	Compulsory
	0101102	Turkish Language - II	2+0	2	Compulsory
	0103102	English - II	3+0	3	Compulsory
	0105102	Music - II	1+1	2	Elective
	0104102	Physical Education - II	1+1	2	Elective

3.Semester Course Plan

#	Course Code	Course Name	T+A	ECTS	Compulsory/ Elective
	0603203	Electromagnetic Field Theory - I	4+0	4	Compulsory
	0603201	Circuit Analysis -I	4+2	6	Compulsory
	0603205	Probability Theory	3+0	4	Compulsory
	0603209	Digital Design	4+2	6	Compulsory
	0603207	Differential Equations	4+0	4	Compulsory
	0603007	Transformation Methods	2+0	2	Elective
	0603003	Technical English - I	2+0	2	Elective
	0111101	Occupational Health and Safety - I	2+0	2	Compulsory
	0603004	Computer Applications in Engineering - I	2+0	2	Elective
	0603006	Engineering Ethics	2+0	2	Elective
	0603005	Energy Efficiency Management	2+0	2	Elective

4.Semester Course Plan

#	Course Code	Course Name	T+A	ECTS	Compulsory/ Elective
	0603204	Electromagnetic Field Theory - II	4+0	4	Compulsory
	0603202	Circuit Analysis -II	4+2	6	Compulsory
	0603206	Semiconductor Electronics Theory	3+0	3	Compulsory
	0603210	Complex Analysis	3+0	3	Compulsory
	0603208	Renewable Energy Sources	3+0	3	Compulsory
	0603012	Mobile Application Programming	2+0	2	Elective
	0603008	Technical English - II	2+0	2	Elective
	0111102	Occupational Health and Safety - II	2+0	2	Compulsory
	0603009	Computer Applications in Engineering - II	2+0	2	Elective
	0603011	R & D, Innovation and Technology Management	2+0	2	Elective
	0603010	Research Techniques in Engineering	2+0	2	Elective

5.Semester Course Plan

#	Course Code	Course Name	T+A	ECTS	Compulsory/Elective
	0603305	Electric Machines - I	4+2	6	Compulsory
	0603303	Electronics - I	4+2	6	Compulsory
	0603309	Numerical Analysis	3+0	5	Compulsory
	0603307	Electromagnetic Waves	4+0	5	Compulsory
	0603301	Signals and Systems	4+0	4	Compulsory
	0603014	Sustainable Energy Technologies	2+0	2	Elective
	0603013	Engineering Economy	2+0	2	Elective
	0603016	Electromagnetic Compatibility	2+0	2	Elective
	0603015	Computer Aided Circuit Design	2+0	2	Elective

6.Semester Course Plan

#	Course Code	Course Name	T+A	ECTS	Compulsory/Elective
	0603306	Electric Machines - II	4+2	6	Compulsory
	0603304	Electronics - II	4+2	6	Compulsory
	0603310	Control Systems - I	3+0	3	Compulsory
	0603308	Microprocessors	3+0	3	Compulsory
	0603302	Digital Signal Processing	3+0	3	Compulsory
	0603018	Quality Assurance And Standards	2+0	2	Elective
	0603017	Entrepreneurship and Project Management	2+0	2	Elective
	0603020	Microprocessors Applications	2+0	2	Elective
	0603019	Industrial Electronics	2+0	2	Elective

7.Semester Course Plan

#	Course Code	Course Name	T+A	ECTS	Compulsory/Elective
	0603034	Energy Lines Engineering	4+0	6	Elective
	0603035	Programmable Logic Controllers	4+0	6	Elective
	0603033	Electrical Installations	4+0	6	Elective
	0603031	Fundamentals of Nanomaterials and Nanotechnology	4+0	6	Elective
	0603032	Energy Generation Systems	4+0	6	Elective
	0603039	Power Electronics - I	4+0	6	Elective
	0603401	Graduation Project -I	0+2	6	Compulsory
	0603038	Microwave Semiconductors Electronics	4+0	6	Elective
	0603036	Energy Distribution	4+0	6	Elective
	0603037	Optics	4+0	6	Elective
	0603024	Control Systems - II	4+0	6	Elective
	0603025	Analog Filter	4+0	6	Elective
	0603023	Robotics	4+0	6	Elective
	0603021	Communication Systems-I	4+0	6	Elective
	0603022	Analysis of Power Systems-I	4+0	6	Elective
	0603029	Artificial Intelligence and Engineering Applications	4+0	6	Elective
	0603030	Acoustic	4+0	6	Elective
	0603028	Fiber Optic	4+0	6	Elective
	0603026	Introduction to Biomedical Engineering	4+0	6	Elective
	0603027	Microwave Circuits	4+0	6	Elective

8.Semester Course Plan

#	Course Code	Course Name	T+A	ECTS	Compulsory/Elective
	0603053	Web Technologies And Applications	4+0	6	Elective
	0603054	Lighting Technique	4+0	6	Elective
	0603052	Image Processing	4+0	6	Elective
	0603050	Drive Systems	4+0	6	Elective
	0603051	Biological Effects of Electromagnetic Fields	4+0	6	Elective
	0603058	Power Electronics - II	4+0	6	Elective
	0603402	Graduation Project -II	0+2	6	Compulsory
	0603057	Optoelectronics	4+0	6	Elective
	0603055	Microwave Antennas	4+0	6	Elective
	0603056	High Voltage Techniques	4+0	6	Elective
	0603043	Digital Filter	4+0	6	Elective
	0603044	Medical Imaging Systems	4+0	6	Elective
	0603042	Power Plant Project	4+0	6	Elective
	0603040	Communication Systems-II	4+0	6	Elective
	0603041	Analysis of Power Systems - II	4+0	6	Elective
	0603048	Power Transmission	4+0	6	Elective
	0603049	Antennas and Propagation	4+0	6	Elective

0603047	Microwave Technique	4+0	6	Elective
0603045	Introduction to VLS Design	4+0	6	Elective
0603046	Lasers and Applications	4+0	6	Elective