

ESKİŞEHİR OSMANGAZİ ÜNİVERSİTESİ
MMF ELEKTRİK ELEKTRONİK MÜHENDİSLİĞİ BÖLÜMÜ
ÖĞRETİM PROGRAMI

Bu program 1998-2005 yıllarında birinci sınıfa başlayan öğrencilere uygulanmıştır.

B. S. in Electrical-Electronics Engineering
Program of Study

This program of study was applicable to the students who started freshman courses between 1998 and 2005.

	DERS ADI (Course Name)	Haftalık Ders saati	Kredisi	Önkoşulu
		<i>Hrs/wk</i>	<i>Credits</i>	<i>Prerequisite</i>
1.YARIYIL (1st SEMESTER)				
Core Courses (zorunlu dersler)				
151221181	Türk Dili I	2+0	KDZ	None
151221183	Türk Dili Özel I	2+0	KDZ	Foreign students only
151221185	Seminer I	2+0	KDZ	Foreign students only
151221195	Chemistry	3+0	3	None
151221196	Chemistry Laboratory	0+2	1	None
151221143	Differential Calculus (Calculus I)	3+2	4	None
151221132	Expository Writing	3+0	3	None
151221198	Physics I	3+0	3	None
151221199	Physics Laboratory I	0+2	1	None
151221147	Introduction to Computers	2+2	3	None
Non-credit Required Electives (seçmeli dersler)				
151011171	Beden Eğitimi I	1+0	KDZ	Max 15 students
151011173	Sanat Tarihi I	1+0	KDZ	Max 15 students
151011175	Türk Süsleme Sanatları I	1+0	KDZ	Max 8 students
151011179	Süs Taşları ve İşlenmesi I	1+0	KDZ	Max 5 students
151011181	Study Skills I	1+0	KDZ	Max 20 students
151011195	College Reading I	1+0	KDZ	Max 20 students.
151011191	Evrenin Oluşumu ve Gelişimi I	1+0	KDZ	Max 15 students
151011190	Seramik Süslemeler I	1+0	KDZ	Max 8 students
151011192	Acil Yardım I	1+0	KDZ	Max 10 students
151221148	Introduction to Electrical Engr I	1+0	KDZ	None
2.YARIYIL (2nd SEMESTER)				
Core Courses (zorunlu dersler)				
151222182	Türk Dili II	2+0	KDZ	None
151222184	Türk Dili Özel II	2+0	KDZ	Foreign students only
151012186	Seminer II	2+0	KDZ	Foreign students only
151222144	Integral Calculus (Calculus II)	3+2	4	Differential Calculus
151222198	Physics II	3+0	3	None
151222199	Physics Laboratory II	0+2	1	None
151222137	Computer Programming	2+2	3	None
151222126	Engineering Graphics	1+2	2	None
151222136	Technical Writing	3+0	3	Expository Writing
151222148	Linear Algebra	3+0	3	None
Non-credit Required Electives (seçmeli dersler)				
151012172	Beden Eğitimi II	1+0	KDZ	Beden Eğitimi I
151012174	Sanat Tarihi II	1+0	KDZ	Sanat Tarihi I
151012176	Türk Süsleme Sanatları II	1+0	KDZ	Türk Süsleme Sanatları I
151012180	Süs Taşları ve İşlenmesi II	1+0	KDZ	Süs Taşları ve İşlenmesi I
151012182	Study Skills II	1+0	KDZ	Study Skills I
151012196	College Reading II	1+0	KDZ	College Reading I
151012193	Evrenin Oluşumu ve Gelişimi II	1+0	KDZ	Evrenin O& G I
151012192	Seramik Süslemeler II	1+0	KDZ	Seramik Süslemeler I
151012194	Acil Yardım II	1+0	KDZ	Acil Yardım I
151222149	Introduction to Electrical Engr. II	1+0	KDZ	Intro Electrical Engr I

3. YARIYIL (3rd SEMESTER)				
Core Courses (zorunlu dersler)				
151223251	A.İ.İ.T. I	2+0	2	None
151223253	A.İ.İ.T.Özel I	2+0	2	Foreign students only
151223235	Complex Calculus	3+0	3	Differential Calculus
151223245	Engineering Mechanics	2+2	3	None
151223297	Circuit Analysis I	3+0	3	None
151223298	Differential Equations	2+2	3	Differential Calculus
151223299	Digital Systems I	3+0	3	None
Nontechnical Electives (seçmeli dersler)				
151223237	Beginning French I	3+0	3	None
151223239	German I	3+0	3	None
151223241	Curr.Issues in Eng. I	3+0	3	Instructor's approval rqd
151223242	The Short Story	3+0	3	Instructor's approval rqd
4.YARIYIL (4th SEMESTER)				
Core Courses (zorunlu dersler)				
151224252	A.İ.İ.T. II	2+0	2	A.İ.İ.T. II
151224232	Circuit Analysis II	4+0	4	Circuit Analysis I
151224300	Circuits Laboratory	0+2	1	Circuit Analysis I
151224236	Electromagnetics I	3+0	3	Integral Calculus
151224297	Digital Systems II	3+0	3	Digital Systems I
151224298	Digital Systems Laboratory	0+2	1	Digital Systems I
151224299	Systems and Signals	3+0	3	None
Nontechnical Electives (seçmeli dersler)				
151224242	Beginning French II	3+0	3	Instructor's approval rqd
151224244	German II	3+0	3	Instructor's approval rqd
151224243	Curr.Issues in Eng. II	3+0	3	Instructor's approval rqd
151224554	Culture and Social Change	3+0	3	None
5. YARIYIL (5th SEMESTER)				
Core Courses (zorunlu dersler)				
151225337	Electromagnetics II	3+0	3	Electromagnetics I
151225335	Electronics I	3+0	3	Circuit Analysis I
151226357	Electronics Laboratory	0+2	1	pre/co-req: Electronics I
151225393	Introduction to Microcomputers	3+0	3	Digital Systems I
151225394	Probability	3+0	3	None
151225350	Numerical Methods	3+0	3	None
Nontechnical Electives (seçmeli dersler)				
151225343	Intermediate French I	3+0	3	Instructor's approval rqd
151225341	German III	3+0	3	Instructor's approval rqd
151225395	Conversational German I	3+0	3	Instructor's approval rqd
151225391	Communication and Culture I	3+0	3	Instructor's approval rqd
151225392	Human Behavior in Organizations	3+0	3	Max 20 students
6.YARIYIL (6th SEMESTER)				
Core Courses (zorunlu dersler)				
151226356	Communications	3+0	3	co-req: Systems & Signals
151226322	Electronics II	3+0	3	Electronics I
151226361	Principles of Energy Conversion	4+0	4	Electromagnetics II
151226363	Fundamentals of Control Systems	3+0	4	Circuit Analysis II
151226364	Control Systems Laboratory	0+2	1	co-req: Fund. of Control Sys.
Nontechnical Electives (seçmeli dersler)				
151226344	Intermediate French II	3+0	3	Instructor's approval rqd
151226342	German IV	3+0	3	Instructor's approval rqd
151226358	Conversational German II	3+0	3	Instructor's approval rqd
151226353	Communication and Culture II	3+0	3	Instructor's approval rqd
151226355	Advanced Grammar	3+0	3	Instructor's approval rqd
151226354	Sociology	3+0	3	Max 20 students
151226359	Introduction to Psychology	3+0	3	Max 20 students

7. YARIYIL (7th SEMESTER)				
Core Courses (zorunlu dersler)				
151227437	Economics	3+0	3	None
Technical Electives (seçmeli dersler)				
151227441	Advanced Programming	3+0	3	None
151227443	Microprocessors	2+2	3	Intro. to Microcomputers
151227445	Computer Networks	3+0	3	None
151227447	Intro.to Speech Recognition	3+0	3	None
151227420	Linear Control Systems	3+0	3	Fund. of Control Systems
151227411	Communication Electronics	3+0	3	Electronics II
151227497	Digital Signal Processing	3+0	3	Systems and Signals
151227467	Instrumentation and Control	1+4	3	Fund.of Control Systems
151227492	Uncertain Control Systems	1+4	3	Fund. of Control Systems
151227451	Semiconductor Devices	3+0	3	None
151227455	Introduction to Power Electronics	3+0	3	Electronics I
151227457	Power Systems Analysis I	3+0	3	None
151227493	Communication Elect. Lab.	0+2	1	None
151227465	Seminar in Electotechnology I	0+2	1	None
151227495	Electromagnetic Wave Propagation	3+0	3	Electromagnetics II
151227496	Programmable Logic Controllers	2+2	3	None
151227619	Introduction to DSP Processors	2+2	3	Intro. to Microcomputers
Nontechnical Electives (seçmeli dersler)				
151227463	Advanced French I	3+0	3	Instructor's approval rqd
151227461	German V	3+0	3	Instructor's approval rqd
151227494	Oral Communication	3+0	3	Instructor's approval rqd
8.YARIYIL (2nd SEMESTER)				
Technical Electives (seçmeli dersler)				
151228421	Nonlinear Control Systems	3+0	3	Fund. of Control Systems
151228422	Digital Control Systems	3+0	3	Fund. of Control Systems
151228442	Object Oriented Programming	3+0	3	None
151228468	Computer Architecture	2+2	3	None
151228446	Microwave Devices and Antennas	3+0	3	Electromagnetics II
151228498	Fuzzy Logic	3+0	3	None
151228499	Fuzzy Logic Laboratory	0+2	1	None
151228301	Special Electrical Machinery	3+0	3	Principles of Energy Conv.
151228492	Power Systems Analysis II	3+0	3	Power systems Analysis I
151228454	Network Synthesis	3+0	3	Circuit Analysis I
151228466	Seminar in Electrotechnology II	0+2	1	None
151228516	Power Electronics Application	3+0	3	Intro. to Power Electronics
151228495	Digital Control Laboratory	0+2	1	co-req: Digital Cont. Sys
151228300	Power System Protection	3+0	3	None
151228523	High Voltage Techniques	3+0	3	None
151227623	Inner Electrical Installations & Illum.	3+0	3	None
151227453	Electrical Machinery	3+0	3	Princ. Energy Conversion
151228525	Basic Electrical Machinery Lab.	3+0	3	None
Nontechnical Electives (seçmeli dersler)				
151228464	Advanced French II	3+0	3	Instructor's approval rqd
151228462	German VI	3+0	3	Instructor's approval rqd
151228496	Thesis Writing	3+0	3	Instructor's approval rqd
Engineering Synthesis and Design Electives (seçmeli dersler)				
151228600	Nonlinear System S & D	4 + 2	5	Dept. Chair's approval rqd.
151228601	Pattern Classification S & D	4 + 2	5	Dept. Chair's approval rqd.
151228602	Signals S & D	4 + 2	5	Dept. Chair's approval rqd.
151228604	Power Systems S & D	4 + 2	5	Dept. Chair's approval rqd.
151228606	Fuzzy Logic S & D	4 + 2	5	Dept. Chair's approval rqd.
151228607	Semiconductor S & D	4 + 2	5	Dept. Chair's approval rqd.
151228608	Computer Architectures S & D	4 + 2	5	Dept. Chair's approval rqd.
151228609	Robot Control S & D	4 + 2	5	Dept. Chair's approval rqd.

151228610	Microprocessor Based S & D	4 + 2	5	Dept. Chair's approval reqd.
151228611	Linear Systems S & D	4 + 2	5	Dept. Chair's approval reqd.
151228612	Digital Systems S & D	4 + 2	5	Dept. Chair's approval reqd.
151228613	Signal Recognition S & D	4 + 2	5	Dept. Chair's approval reqd.
151228614	Programming S & D	4 + 2	5	Dept. Chair's approval reqd.
151228615	Electronic Systems S & D	4 + 2	5	Dept. Chair's approval reqd.
151228616	Engineering S & D for Education	4 + 2	5	Dept. Chair's approval reqd.

Lisans Derecesi Şartları:

- 1) *Core* courses derslerinin tamamı alınacaktır.
- 2) *Non-credit Required Electives* derslerinden 2 adet alınacaktır.
- 3) *Nontechnical Electives* derslerinden 18 kredilik alınacaktır.
- 4) *Technical Electives* derslerinden 22 kredilik alınacaktır.
- 5) *Engineering Synthesis and Design Electives* derslerinden bir adet alınacaktır.

B.S. Degree Requirements:

- 1) *All core courses must be taken*
- 2) *2 courses of noncredit required courses must be taken*
- 3) *18 credits of nontechnical Electives must be accumulated*
- 4) *22 credits of Technical Electives must be accumulated.*
- 5) *One course of Engineering Synthesis and Design must be taken*