

ECTS COURSE INFORMATION FORM

Faculty	Faculty of Engineering	
Program	B.Sc. in Civil Engineering	Elective
	B.Sc. in Computer Engineering	Elective
	B.Sc. in Electrical-Electronics Engineering	Required
	B.Sc. in Industrial Engineering	Elective
	B.Sc. in Mechanical Engineering	Elective

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Course Code	EE 100			
Course Title in English		rical and Electronics Er	igineering	
Course Title in Turkish	Elektrik-Elektronik M	lühendisliğine Giriş		
Language of Instruction	English			
Type of Course	Lecture			
Level of Course	Undergraduate			
Course Category	Basic Science	Basic Engineering	Engineering Design	General Education
(by % of Content)	20	40	15	25
Semester Offered	Fall			
Contact Hours per Week	Lecture: 2 hours	Recitation: -	Lab: -	Other: -
Estimated Student Workload	82 hours per semes	ter		
Number of Credits	3 ECTS			
Grading Mode	Standard Letter Gra	de		
Pre-requisites	None			
Expected Prior Knowledge	None			
Co-requisites	None			
Registration Restrictions	Only Undergraduate	Students		
Overall Educational Objective	To develop an under	standing about the fiel	d of Electrical and Electror	nics Engineering.
Course Description	The course content of curriculum, basic restricted these research areas	covers MEF's Electrical search areas of Electric search areas of Electric s. In addition to the the	and Electronics Engineerir	ring and basic concepts in II be seminars
Course Description in Turkish	MEF Üniversitesinin Mühendisliğinin tem	Elektrik-Elektronik Müh el araştırma alanlarını v		
Course Learning Outcomes and Competences	 recognize the E explain the prof describe the base Engineering; function effective prepare a technic the field of Elective 	E Engineering program essional and ethical res sic concepts and the for rely on a team; ical report and verbal p trical and Electronics Er	the learner is expected to: and its continuous improv sponsibilities of an EE engi rmal design process in Ele presentation about a state ngineering; hematics required for solv	vement; ineer; ctrical and Electronics -of-the art application in

	7. rec	blems; ognize the contemporary issues and gineering, acquire and apply new kno		f Electrical and El	ectronics
Relationship of t	he Course v	vith the Student Outcomes	Level	Learning Outcome(s)	Assessed by
	N=None S=Supportive H=High		Exam, Project, HW, Experiment, Presentation, etc.		
(1) an ability to identify, problems by applying prir mathematics		nd solve complex engineering jineering, science, and	S	6	Exams
specified needs with cons	ideration of	sign to produce solutions that meet bublic health, safety, and welfare, ronmental, and economic factors	S	3	Exams, HW
		rely with a range of audiences	S	5	Project
engineering situations and	d make infor gineering sol	professional responsibilities in med judgments, which must utions in global, economic,	S	1,2	HW
provide leadership, create establish goals, plan task	e a collaborat s, and meet	n a team whose members together tive and inclusive environment, objectives appropriate experimentation,	S	4	HW, Project
		ngineering judgment to draw			
(7) an ability to acquire a appropriate learning strat		v knowledge as needed, using	S	7	HW, Project
Prepared by and Date	Asst. Pr	of. Dr. Tuba Ayhan / June 2019			
Semester	Fall 201	.9-2020			
Name of Instructor	Asst. Pr	of. Dr. Tuba Ayhan			
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Course Contents	Week	Торіс			
Course Contents	Week 1.	Topic Introduction to Electrical and Electr Electronics Engineering Program an		and MEF's Electric	cal and
Course Contents		Introduction to Electrical and Electr	nd Curriculum		
Course Contents	1.	Introduction to Electrical and Electr Electronics Engineering Program an Introduction to Engineering Profess	nd Curriculum		
Course Contents	1. 2.	Introduction to Electrical and Electr Electronics Engineering Program an Introduction to Engineering Profess Who is a good engineer?	nd Curriculum sion and Fundamen		
Course Contents	1. 2. 3.	Introduction to Electrical and Electr Electronics Engineering Program an Introduction to Engineering Profess Who is a good engineer? Technical Report Writing and Prese	nd Curriculum ion and Fundamen ntation		
Course Contents	1. 2. 3. 4. 5.	Introduction to Electrical and Electr Electronics Engineering Program an Introduction to Engineering Profess Who is a good engineer? Technical Report Writing and Prese Introduction to Electrical and Electr	nd Curriculum sion and Fundamen ntation ronics Laboratory		
Course Contents	1. 2. 3. 4. 5. 6.	Introduction to Electrical and Electr Electronics Engineering Program an Introduction to Engineering Profess Who is a good engineer? Technical Report Writing and Prese Introduction to Electrical and Electr Introduction to Electrical and Electr	nd Curriculum sion and Fundamen ntation ronics Laboratory ronics Laboratory		
Course Contents	1. 2. 3. 4. 5.	Introduction to Electrical and Electr Electronics Engineering Program an Introduction to Engineering Profess Who is a good engineer? Technical Report Writing and Prese Introduction to Electrical and Electr Introduction to Electrical and Electr Introduction to Electrical and Electr	nd Curriculum sion and Fundamen ntation ronics Laboratory ronics Laboratory I Processing)		
Course Contents	1. 2. 3. 4. 5. 6. 7. 8.	Introduction to Electrical and Electr Electronics Engineering Program an Introduction to Engineering Profess Who is a good engineer? Technical Report Writing and Prese Introduction to Electrical and Electr Introduction to Electrical and Electr Introduction to EE Branches (Signa Introduction to EE Branches (Contr	nd Curriculum ion and Fundamen ntation ronics Laboratory ronics Laboratory I Processing) rol Systems)		
Course Contents	1. 2. 3. 4. 5. 6. 7. 8. 9.	Introduction to Electrical and Electr Electronics Engineering Program an Introduction to Engineering Profess Who is a good engineer? Technical Report Writing and Prese Introduction to Electrical and Electr Introduction to Electrical and Electr Introduction to Electrical and Electr Introduction to EE Branches (Signa Introduction to EE Branches (Contr Introduction to EE Branches (Electr	nd Curriculum ion and Fundamen ntation ronics Laboratory ronics Laboratory I Processing) rol Systems) ronics)	tal Units and Dim	
Course Contents	1. 2. 3. 4. 5. 6. 7. 8. 9. 10.	Introduction to Electrical and Electr Electronics Engineering Program an Introduction to Engineering Profess Who is a good engineer? Technical Report Writing and Prese Introduction to Electrical and Electr Introduction to Electrical and Electr Introduction to EE Branches (Signa Introduction to EE Branches (Contr Introduction to EE Branches (Electr Introduction to EE Branches (Comn	nd Curriculum ntation ronics Laboratory ronics Laboratory I Processing) rol Systems) ronics) nunication Systems	tal Units and Dim	
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Course Contents	1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12.	Introduction to Electrical and Electr Electronics Engineering Program an Introduction to Engineering Profess Who is a good engineer? Technical Report Writing and Prese Introduction to Electrical and Electr Introduction to Electrical and Electr Introduction to EE Branches (Signa Introduction to EE Branches (Contr Introduction to EE Branches (Electr Introduction to EE Branches (Contr Introduction to EE Branches (Comm Introduction to EE Branches (Comm Introduction to EE Branches (Renew Basic Mathematics for Electrical and	nd Curriculum ntation ronics Laboratory ronics Laboratory I Processing) ol Systems) ronics) nunication Systems wable Energy) d Electronics Engin	tal Units and Dim	
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Course Contents	1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14.	Introduction to Electrical and Electr Electronics Engineering Program an Introduction to Engineering Profess Who is a good engineer? Technical Report Writing and Prese Introduction to Electrical and Electr Introduction to Electrical and Electr Introduction to EE Branches (Signa Introduction to EE Branches (Contr Introduction to EE Branches (Electr Introduction to EE Branches (Electr Introduction to EE Branches (Comm Introduction to EE Branches (Comm Introduction to EE Branches (Renew Basic Mathematics for Electrical and Basic Mathematics for Electrical and Final Project Presentation	nd Curriculum notation notation conics Laboratory conics Laboratory I Processing) ol Systems) conics) nunication Systems wable Energy) d Electronics Engin d Electronics Engin	tal Units and Dim	
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Readings					
Teaching Methods	Lectures in the classroom, invite	ed talks and techr	nical trip.		
Homework and Projects	There will be 5-6 homework and	l laboratory assig	nments and a final project.		
Laboratory Work	Two of the lectures will be at the will conduct simple experiments		ectronics Engineering Laboratory and studen		
Computer Use	-				
Other Activities	-				
Assessment Methods	Types of assessment	Number	Ratio (%)		
	Midterm	1	25		
	Homework/Lab Assignments	5-6	40		
	Project	1	35		
	Total		100		
Course Administration	Instructor's office and phone office hours: TBA		oor, (0212) 3953730		
	email address: ayhant@mef.edu.tr				
	Rules for attendance: -				
	Missing a midterm : Provided that proper documents of excuse are presented, a make-up exam will be given for the missed midterm.				
	A reminder of proper classro Academic Dishonesty and Pla		ode of student conduct: YÖK Regulations egulations		

ECTS	Activity	No/Weeks	Hours			Calculation	Explanation
Student Workload Estimation		No/Weeks per Semester (A)	Preparing for the Activity (B)	Spent in the Activity Itself (C)	Completing the Activity Requirements (D)		
	Lecture	14		2		28	A *(B +C +D)
	Assignments	6	2	2		24	
	Midterm	1	10	2		12	A *(B +C +D)
	Project	1	16	2		18	A *(B +C +D)
	Total Workload					82	
	Total Workload/25					3,28	
	ECTS					3	