IN	TRODUCTION TO ELE	CTRIC	CAL-ELECTRONIC ENGINEERING							
1	Course Title:	INTROD	UCTION TO ELECTRICAL-ELECTRONIC ENGINEERING							
2	Course Code:	EEM1501								
3	Type of Course:	Compulsory								
4	Level of Course:	First Cyc	cle							
5	Year of Study:	1								
6	Semester:	1								
7	ECTS Credits Allocated:	3.00								
8	Theoretical (hour/week):	2.00								
9	Practice (hour/week):	0.00								
10	Laboratory (hour/week):	2								
11	Prerequisites:									
12	Language: Turkish									
13	Mode of Delivery:	face								
14	Course Coordinator:	Öğr.Gör.Dr. İSMAİL TEKİN								
15	Course Lecturers:	Öğr.Gör.Dr. SEVİM KURTULDU								
16	Contact information of the Course Öğr. Gör. Dr. İsmail TEKİN   Coordinator: Uludağ Üniversitesi   Mühendislik Fakültesi Elektrik -Elektronik Mühendisliği Bölümü   Görükle Kampüsü Bursa									
17	Website:									
18	Objective of the Course: The aim of this course is to learn to freshman students basics of electrical engineering and electronic circuits and also, to introduce the soldering, working at the laboratory.									
19	Contribution of the Course to Professional Development:									
20	Learning Outcomes:									
		1	Students should introduce to focus of Electrical Engineering.							
		2	Students should learn the voltage, current, power and energy.							
		3	Students should learn the Kirchhoff laws. Students should improve the laboratory skills.							
		4								
		5	Students should introduce to basic electronic circuit devices such as resistor, capacitor, inductor, transistors etc.							
		6	Students should introduce the analog and digital signals.							
		7	Students should introduce to laboratory equipment's such as oscilloscope, signal generator, power supply, multimeters.							
	8 9									
		10								
21	Course Content:									
		Co	ourse Content:							
Week	Theoretical		Practice							

1	Basic										Introdunction laboratory devices such as oscilloscope, multimeter, power supply, signal generator, breadboard and lobaratory rules.									
2		gineering Department.								Introdunction laboratory devices such as oscilloscope, multimeter, power supply, signal generator, breadboard and lobaratory rules.										
3	Curren										Introdunction laboratory devices such as oscilloscope, multimeter, power supply, signal generator, breadboard and lobaratory rules.									
4	Electri	ectrical signals.									Introdunction laboratory devices such as oscilloscope, multimeter, power supply, signal generator, breadboard and lobaratory rules.									
5	Kirchh										constructionof a circuit on breadboard.									
6	Basics	of th	ie la	borate	ory wo	orking	proced	dure.	Le	Learning how to soldering and desoldering.										
7	Midter	n exa	am.						ex	am bre	eak									
8	Resist	ors, c	capa	citors	, indu	ctors.			ex	am bre	eak									
9	Diode	and t	rans	sistors	5.				Im	pleme	ntation	of radio	o contro	ol of ro	bot car.					
10	Integra	ted c	circu	iits an	d pac	kaging			Im	pleme	ntation	of radio	o contro	ol of ro	bot car.					
11	Electro	nic c	ircu	it dev	elopm	nent in	bread	board	. Im	pleme	ntation	of rece	iver mo	dule o	f robot o	car.				
12	Analog	sign	nals	and s	ystem	ıs.			Im	pleme	ntation	of rece	iver mo	dule o	f robot o	car.				
13	Digital	signa	als a	and sy	stem	s.			Im	pleme	ntation	of rece	iver mo	dule o	f robot o	car.				
14	Amplifi	catio	on, fi	ltering	g and	oscillat	tion.			programming of radio transmitter and receiver, testing the robot car.										
Activites								I	Numb	ber		Dura	Duration (hour) Total Work Load (hour)							
Theore 23	ticai Assesi	nent																		
Practica	als/Lab	6																		
Self stu	dy and	prep	erat	tion			R													
Homew																				
Projects	•	• :					0		0.0											
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Others		Lorr	$\frac{1}{2}$	(oar) I	Aarn	ing Act		to	150	.00										
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Course	ement			laatioi	1100	Innque	0.000													
24	ECTS	5 / W	/OF	RK LO	OAD	TAB	LE													
25	5 CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS																			
	PC		02	PQ3	PO4	PO5	POG	PO7	POs	PQ9	PO1	PQ11	P012	PQ1	PQ14	PQ15	PQ16			
			~~	1 43	1 04	1 93			1 40	1 43	0			3						
ÖK1	0	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0			
ÖK2	3	0	T	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
ÖK3	0	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0			

ÖK4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
ÖK5	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	
ÖK6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
ÖK7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
LO: Learning Objectives PQ: Program Qualifications																	
Contrib ution Level:	on				2 low			3 Medium			4 High			5 Very High			