	ELECTR	RICAL	INSTALLATIONS							
1	Course Title:	ELECTR	ELECTRICAL INSTALLATIONS							
2	Course Code:	EEM3501								
3	Type of Course:	Compuls	ory							
4	Level of Course:	First Cycle								
5	Year of Study:	3								
6	Semester:	5								
7	ECTS Credits Allocated:	5.00								
8	Theoretical (hour/week):	3.00								
9	Practice (hour/week):	0.00								
10	Laboratory (hour/week):	0								
11	Prerequisites:									
12	Language:	Turkish								
13	Mode of Delivery:	Face to f	ace							
14	Course Coordinator:	Doç. Dr.	MURAT UYAR							
15	Course Lecturers:	Öğr.Gör.Dr. Okan SÜLE								
16	Contact information of the Course Coordinator:	E-posta: muratuyar@uludag.edu.tr Tel: (224) 294 0769 Adres: Elektrik-Elektronik Müh. Bölüm Binası, 322								
17	Website:	http://ee.uludag.edu.tr/?page_id=7								
18	Objective of the Course:	Providing basic information about all system elements and mathematical calculations involved in the process from production to consumption of electricity.								
19	Contribution of the Course to Professional Development:	To be able to follow innovations and apply them in the field by using the competence of collecting information, researching and analyzing them.								
20	Learning Outcomes:									
		1	Ability to make cost analysis according to the type of power plant where electricity is produced							
		2	Learning the functions of the parts in the system and mathematically revealing the current, voltage and phase relationships							
		3	To be able to design the relationship between electricity generation and the end user by revealing the necessary calculations and appropriate system elements.							
		4	Recognition of earthing and earthing types							
		5	To be able to calculate the voltage drop and percentage loss within the limits of the regulation on distribution systems and networks							
		6								
		7								
		8								
		9								
		10								
21	Course Content:									
		Co	ourse Content:							
Week	Theoretical Practice									

1	Basi	sic information about electrical facilities																
2	Elec	lectricity cost calculations																
3	Pow activ	wer calculation in three phase systems: tive and reactive power																
4	Thre	Three phase systems, star, delta connection																
5	Rea	ctive	Powe	er Corr	pens	ation			Τ									
6	Elec netw	Electric networks: Interconnected and special network types																
7	Exa	amination of energy transmission lines																
8	Con	ducto	ors															
9	high	volta	age to	wer														
10	Insu	lators	5															
11	high	volta	age ci	rcuit b	reake	r and d	liscon	nector										
12	Bus	and	bus sy	/stem	S													
13	Inve Trar	Investigation of Current and Voltage Transformers																
Activites							Numb	ber		Dura	Duration (hour)			Total Work Load (hour)				
Theoretical								Т	14				хогкпа <u>z <del>Se</del>içuk.</u> 3.00			42.00		
Practicals/Labs									0			0.00	0.00			0.00		
Self study and preperation										8	Bayran		8.00			64.00		
Homeworks									;	5			8.00			40.00		
PEGACL	PEGMCLSEARNING ACTIVITIES NUMBE									WEIGHT			0.00	0.00				
Field S	tudie	S							(	0			0.00	0.00				
Midterm exams									0	1	2.00					2.00		
Others								(	0			0.00	0.00					
Final E	Final Exams								60				2.00	2.00				
Total Work Load														152.00				
Total work load/ 30 hr Contribution of Torm (Year) Learning Activities to						140	40.00							5.00				
ECTS Credit of the Course								5.00										
Contribution of Final Exam to Success Grade								60	60.00									
Total	Total								10	100.00								
Measurement and Evaluation Techniques Used in the Me Course Un								Measurement and evaluation is carried out according to the priciples of Bursa uludag University Associate and Undergraduate Education Regulation.										
24	EC	TS /	WO	RK L	OAD	TAB	LE											
25	25 CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS																	
		PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ1	PQ11	PQ12	PQ1	PQ14	PQ15	PQ16	
ÖK1		5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

ÖK2	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0
ÖK3	0	5	5	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK4	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0
ÖK5	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0
LO: Learning Objectives PQ: Program Qualifications																
Contrib 1 very low ution Level:			2 low			3 Medium			4 High			5 Very High				