ELE		ENER	GY CONVERSION LABORATORY II						
1	Course Title:	ELECTR II	OMECHANICAL ENERGY CONVERSION LABORATORY						
2	Course Code:	EEM350	6						
3	Type of Course:	Compuls	sory						
4	Level of Course:	First Cyc	le						
5	Year of Study:	3							
6	Semester:	6							
7	ECTS Credits Allocated:	2.00							
8	Theoretical (hour/week):	0.00							
9	Practice (hour/week):	0.00							
10	Laboratory (hour/week):	2							
11	Prerequisites:								
12	Language:	Turkish							
13	Mode of Delivery:	Face to f	face						
14	Course Coordinator:	Doç. Dr.	MURAT UYAR						
15	Course Lecturers:	Öğr.Gör.Dr. Sevim KURTULDU							
16	Contact information of the Course Coordinator:	Doç.Dr. Murat UYAR muratuyar@uludag.edu.tr Tel: (224) 294 0769 Adres: Elektrik-Elektronik Mühendisliği Bölümü 3. Kat, No: 322							
17	Website:	http://ee.uludag.edu.tr/?page_id=7							
18	Objective of the Course:	The aim of the course is to experimentally help reinforce the theoretical topics covered in EEM3504 Elektromekanik Enerji Dönüşümü course.							
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	Learns the measurement of basic quantities in Electrical Machines.						
		2	Learns to do single-phase and three-phase transformer experiments.						
		3	Learns how to do DC motor and generator experiments						
		4							
		5							
		6							
		7							
		8							
		9							
		10							
21									
W/ook	Theoretical	CC	Durse Content:						
vveek			Making explanations about the experiments to be serviced						
			out during the term, introducing the measuring instruments to be used in the experiments and explaining the connection methods to the circuit.						

2		Making explanations about the experiments to be carried out during the term, introducing the measuring instruments to be used in the experiments and explaining the connection methods to the circuit.							
3		Making explanations about the experiments to be carried out during the term, introducing the measuring instruments to be used in the experiments and explaining the connection methods to the circuit.							
4		Finding the conversion ratio of a single-phase transformer, Determining the winding resistance of a single-phase transformer							
5		Obtaining the transformer approximate equivalent circuit with short and open circuit experiments in single-phase transformers							
6		Finding the regulation and efficiency of a single-phase transformer							
7		Parallel connection of si	ngle-phase transfor	rmers					
8		Finding the equivalent circuit parameters by performing the no-load and short-circuit tests of three-phase transformers							
9		Realization of delta/star connection on a three-phase transformer							
10		Extraction of the no-load characteristic of a DC shunt generator							
Activites		Number	Duration (hour)	Total Work Load (hour)					
The pretical		In Pestigation of load characteristics of DC share and series							
Practicals/Labs		14	2.00	28.00					
Setsstudy and preperation		Calculation of efficiency	6.00 by directly loading	a DC free					
Homeworks		1	12.00	12.00					
		Making compensatory e	6.00 vporiments	6.00					
Field Studies		0	0.00	0.00					
All Taxtbacks Pafarancas and/or Other		11 Morgon A Eaik Zor	1.00 11. Sibol ´Eloktrik M	hinolori 1					
		0	0.00	0.00					
		1	1.00	60.00					
Total work load/ 20 br	ĸ	1		2.00					
FCTS Credit of the Course	1	25.00		2.00					
wu z	0	15.00							
Home work-project	0	0.00							
Final Exam	1	60.00							
Total	10	100.00							
Contribution of Term (Year) Learning Activitie	40.00								
Contribution of Final Exam to Success Grade	е	60.00							
Total		100.00							
Measurement and Evaluation Techniques Us Course	sed in the	Measurement and evaluation are carried out according to the principles of Bursa Uludağ University Associate Degree and Undergraduate Education Regulations.							
24 ECTS / WORK LOAD TABLE									

25	CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS															
	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ1 0	PQ11	PQ12	PQ1 3	PQ14	PQ15	PQ16
ÖK1	5	5	5	0	5	0	0	0	0	0	0	0	0	0	0	0
ÖK2	5	5	5	0	5	0	0	0	0	0	0	0	0	0	0	0
ÖK3	5	5	5	0	5	0	0	0	0	0	0	0	0	0	0	0
LO: Learning Objectives PQ: Program Qualifications																
Contrib ution Level:	Contrib 1 very low ution Level:				2 low			3 Medium			4 High			5 Very High		