

ELECTRIC ELECTRONIC MESUREMENT

1	Course Title:	ELECTRIC ELECTRONIC MESUREMENT
2	Course Code:	MKRZ101
3	Type of Course:	Compulsory
4	Level of Course:	Short Cycle
5	Year of Study:	1
6	Semester:	1
7	ECTS Credits Allocated:	4.00
8	Theoretical (hour/week):	2.00
9	Practice (hour/week):	0.00
10	Laboratory (hour/week):	2
11	Prerequisites:	none
12	Language:	Turkish
13	Mode of Delivery:	Face to face
14	Course Coordinator:	Öğr.Gör. ERCAN YAVUZ
15	Course Lecturers:	Öğr.Gör. Ercan YAVUZ
16	Contact information of the Course Coordinator:	ercanyz@uludag.edu.tr (0224)2942365 B.U.Ü. TBMYO. Mekatronik Prg. Görükle-BURSA
17	Website:	
18	Objective of the Course:	To understand of the measurement importance, to learn of electrical values, to learn of the working principle and using of measurement equipment.
19	Contribution of the Course to Professional Development:	Thanks to the electrical and electronic measurement course, the student can work in accordance with the quality management system documents, perform the defined cellular design activities by performing the test and control procedures, easily perform the production of mechatronic systems, perform maintenance, repair and revisions.
20	Learning Outcomes:	
	1	Being able to comprehend of the measurement importance
	2	Being able to understand of electrical values
	3	Being able to use of the unit translations
	4	Being able to understand of the measurement equipment working principles.
	5	Being able to apply of the measurement methods.
	6	Being able to use of the measurement equipments
	7	Being able to recognize of the measurement standarts
	8	Being able to understand of the error and correct terms.
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21	Course Content:	
	Course Content:	
Week	Theoretical	Practice
1		
2		

3		
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22	Textbooks, References and/or Other Materials:	<p>Elektrik Elektronik Ölçme (yayınlanmamış) ders notları - Öğr. Gör. Ercan YAVUZ</p> <p>Elektrik ve Elektronik Ölçmeleri - Prof. Dr. Halit Pastacı</p> <p>Elektrik – Elektronik ve Ölçme Uygulama Kitabı - Engin TEKİN, Metin BEREKET</p> <p>Elektrik – Elektronik Ölçme Tekniği - Mahmut NACAR</p> <p>Elektriksel Büyüklükler ve Ölçülmesi - MEGEP, ANKARA</p>
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Activites		Number	Duration (hour)	Total Work Load (hour)
THEORETICAL LEARNING ACTIVITIES		NUMBER	WEIGHT	
Theoretical			2.00	28.00
Practicals/Labs		14	2.00	28.00
Self study and preperation	1	20.00	0.00	0.00
Quiz				
Homeworks		0	0.00	0.00
Projects				
Final Exam	1	60.00	10.00	10.00
Field Studies		0	0.00	0.00
Midterm exams				
Contribution of Term (Year) Learning Activities to		40.00	20.00	20.00
Others		0	0.00	0.00
Final Exams				
Contribution of Final Exam to Success Grade		60.00	20.00	20.00
Total Work Load				126.00
Total work load/ 30 hr				4.20
Measurement and Evaluation Techniques Used in the		Measurement and evaluation is carried out according to		
ECTS Credit of the Course				4.00

Undergraduate Education Regulation.

24	ECTS / WORK LOAD TABLE
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25	CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS															
	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ10	PQ11	PQ12	PQ13	PQ14	PQ15	PQ16
ÖK1	4	4	3	4	5	4	4	5	4	4	5	0	0	0	0	0
ÖK2	3	4	4	2	2	3	4	5	4	4	5	0	0	0	0	0
ÖK3	2	3	3	4	4	4	4	5	3	5	4	0	0	0	0	0

ÖK4	4	3	3	4	4	4	4	5	5	3	4	0	0	0	0	0
ÖK5	4	5	4	3	4	2	5	3	4	3	3	0	0	0	0	0
ÖK6	3	4	5	2	3	4	3	3	4	3	4	0	0	0	0	0
ÖK7	3	4	4	3	2	4	3	4	3	5	3	0	0	0	0	0
ÖK8	2	3	5	4	3	3	3	4	3	3	4	0	0	0	0	0
LO: Learning Objectives PQ: Program Qualifications																
Contribution Level:	1 very low			2 low			3 Medium			4 High			5 Very High			