PHYSICAL TESTS									
1	Course Title:	PHYSIC	AL TESTS						
2	Course Code:	TKSS202							
3	Type of Course:	Optional							
4	Level of Course:	Short Cycle							
5	Year of Study:	2							
6	Semester:	4							
7	ECTS Credits Allocated:	3.00							
8	Theoretical (hour/week):	1.00							
9	Practice (hour/week):	2.00							
10	Laboratory (hour/week):	0	0						
11	Prerequisites:								
12	Language:	Turkish							
13	Mode of Delivery:	Face to t	face						
14	Course Coordinator:	Öğr.Gör.	Dr. MÜRÜVVET MANGUT						
15	Course Lecturers:	Meslek Öğr.Gör.	Yüksekokullarının görevlendirdiği öğretim elamanları Dr.Mürüvvet MANGUT, Prof.Dr.Mehmet Karahan.						
16	Contact information of the Course Coordinator:	mangut@uludag.edu.tr							
17	Website:								
18	Objective of the Course:	Be able to do physical quality tests on fiber, yarn and fabrics by examining the environmental conditions of the textile laboratories and the effect of the environmental conditions on the textile material and to explain the principles of measure by understanding the devices on which the tests are done.							
19	Contribution of the Course to Professional Development:	To direct the production process by testing the physical properties of textile materials							
20	Learning Outcomes:								
		1	Be able to write basic units of measure and transformations used in textile						
		2	Be able to explain textile laboratory test conditions						
		3	Be able to analyze the affection of environmental humidity on the textile materials						
		4	Be able to perform the fiber length, fineness and strength measurement by using test devices and methods appropriate to related standards						
		5	Be able to perform the various quality control test (such as linear density, twist and strength) in yarn by using test devices and methods appropriate to related standards.						
		6	Be able to perform the yarn evenness measurement by using test devices and methods appropriate to related standards						
		7	Be able to perform thickness and unit weight of the fabrics according to the related standards.						
		8	Be able to perform the abrasion and pilling measurement on the fabrics by using test devices and methods appropriate to related standards						
		9	Be able to perform the touch, drape and wrinkle resistant tests on the fabrics by using test devices and methods appropriate to related standards						

10	Be able to perform the tensile and tear strength tests on the fabrics by using test devices and methods appropriate to related standards

21	Course Content:											
	Course Content:											
Week	Theoretical		Practice									
1	Necessary tests to textile products, b units of measure and transformations laboratory test conditions, temperatu humidity and moisture factor.	pasic 3 , re,	Calculation of moisture and humidity									
2	Change in humidity of textile materia according to relative humidity, Condit commercial weight terms	l tioning,	Calculation of commercial weight									
3	Physical tests on fibers: length test m principles and devices used on fiber	nethods, s.	Application of measurement of fiber length.									
4	Importance of fiber fineness, the effe fineness on yarn properties, maturity of cotton, measurement methods for fineness and devices used in measure	ct of the concept fiber rement.	Application of measurement of fiber fineness.									
5	Importance of fiber strength, working principles of measurement devices, measurement of fiber strength metho devices used in measurement.) ods and	Application of measurement of fiber strength.									
6	Physical tests on yarns: The linear de twisting and strength test methods ar principles applied to yarns and device	ensity, nd ces used	Measurements of yarn linear density and strength.									
Activit	es			Number	Duration (hour)	Total Work Load (hour)						
Th g ore	Repeating courses and I. mid exam		R	epeating courses and	1rନkd exam	14.00						
Practica	als/Labs			14	2.00	28.00						
Self stu	dy and english with thickness and we	eight		14	1.00	14.00						
Homew	vorks			0	0.00	0.00						
Project	Measurement of air, water and gas		A	oplication of measure	6.Water and							
Field S	tudies			1	8.00							
Mi df ern	Nexassusement of touch, drape and wr	inkle of	Μ	easurement of fabric to	12.00							
Others				0	0.00							
Final E	Stength of fabrics and devices used	in		1	14.00	14.00						
Total W	/ork Load				90.00							
Tojal w	ork load/ 30 hr Repeating courses and IL mid exam		R	epeating courses and	l mid exam	3.00						
ECTS (Credit of the Course					3.00						
14 Measurement of abrasion and pilling resistance and devices used in measurement. Application of measurement of pilling and abrasion onfabrics.												
22	Textbooks, References and/or Other Materials:		 Booth,J.(1975). Principles of Tekstile Testing, Butterworths. BP Saville Physical Testing of Textiles Tekstilde fiziksel testler, tübitak Sagem yayınları 									
23	Assesment											
TERM L	EARNING ACTIVITIES	NUMBE R	WEIGHT									
Midtern	n Exam	1	40.00									
Quiz		0	0.00									

Home work-project					0		0.0	0.00								
Final Exam						1		60.	30.00							
Total 2							100	100.00								
Contribution of Term (Year) Learning Activities to Success Grade							40.	40.00								
Contribution of Final Exam to Success Grade							60.	60.00								
Total							10	100.00								
Measurement and Evaluation Techniques Used in the Course						ie Pra	Practice, quiz, sample problems									
24 ECTS / WORK LOAD TABLE																
25	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	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0
ÖK2	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0
ÖK3	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0
ÖK4	5	0	0	0	0	5	0	0	0	0	2	0	0	0	0	0
ÖK5	0	5	0	0	0	5	0	0	0	0	2	0	0	0	0	0
ÖK6	0	5	0	0	0	5	0	0	0	0	2	0	0	0	0	0
ÖK7	0	0	2	3	4	5	0	0	3	0	2	0	0	0	0	0
ÖK8	0	0	0	0	4	5	0	0	3	0	2	0	0	0	0	0
ÖK9	0	0	0	0	4	5	0	0	4	0	2	0	0	0	0	0
ÖK10	0	0	0	0	4	5	0	0	4	0	2	0	0	0	0	0
LO: Learning Objectives PQ: Program Qualifications																
Contrib1 very low2 lowutionLevel:			2 Iow		3 Medium			4 High			5 Very High					