AYDIN ADNAN MENDERES UNIVERSITY
COURSE INFORMATION FORM

Course Title	Examination of Textile Products								
Course Code	MOT223		Couse Level	Short Cycle (Associate's Degree)					
ECTS Credit	6	Workload	153 *(Hours)*	Theory	3	Practice	1	Laboratory	0
Objectives of the Course	One of the most important issues in the textile industry is to know the raw materials, yarn and fabric physical properties to be used in production. However, it can be determined whether the raw materials, semi-finished products and finished products to be used in this way will meet the intended requirements, whether the machine settings are done correctly and if there are any errors. The aim of this course is to provide training to the students on the mentioned subjects.								
Course Content	Structural properties of laboratory, laboratory climatic conditions, effects of climatic conditions on textile materials, measurement of conditioning and laboratory conditions, planning and statistical evaluation of experiments, fineness, length, strength, maturity, color, determination of foreign matter ratio in textile fibers, sampling for yarn analysis principles and preparation of test plan, number measurement on tape, rovings and yarns, measurement of twist direction and twist number in yarns, measurement of strength and elongation in yarns, measurement of irregularity and irregularity, detection of sources of error.								
Work Placement	N/A								
Planned Learning Activities and Teaching Methods	Explanation (Presentation), Experiment, Problem Solving								
Name of Lecturer(s)									

Assessment Methods and Criteria		
Method	Quantity	Percentage (%)
Midterm Examination	1	40
Final Examination	1	70

Recommended or Required Reading	
1	• Akalın M., Tekstilde Fiziksel Testler, Ders notları, Marmara Üniversitesi Teknik Eğitim Fakültesi Tekstil Eğitimi Bölümü, İstanbul 1994
2	• Okur A., Tekstil Materyallerinde Mukavemet Testleri, Dokuz Eylül Üniversitesi Mühendislik Fakültesi Yayınları No:303, İzmir 2002
3	• Özdil N., Kumaşlarda Fiziksel Kalite Kontrol Yöntemleri, E.Ü. Tekstil ve Konfeksiyon Araştırma-Uygulama Merkezi Yayını No:21, İzmir 2003
4	• TSE standartları

Week	Weekly Detailed Course Contents	
1	Theoretical	Structural properties of laboratory, laboratory climatic conditions, effect of climatic conditions on textile materials. Game conditioning. Measurement of laboratory conditions. Planning and statistical evaluation of experiments.
2	Theoretical	Thinness of textile fibers
3	Theoretical	Length of textile fibers
4	Theoretical	Strength, maturity, foreign matter in textile fibers
5	Theoretical	Advanced devices for measuring fiber properties (HVI)
6	Theoretical	Advanced instruments for measuring fiber properties (HVI-AFIS)
7	Theoretical	Advanced devices for measuring fiber properties (AFIS)
8	Theoretical	Sampling principles for yarn analysis and preparation of test plan, number measurement on tape, rovings and yarns,
9	Theoretical	Measurement and evaluation of twist direction and twist number in yarns
10	Theoretical	Strength and elongation of yarns
11	Theoretical	Yarn irregularity and evaluation
12	Theoretical	Yarn irregularity and evaluation
13	Theoretical	Relationships between fiber and yarn properties
14	Theoretical	Relationships between fiber and yarn properties

Workload Calculation				
Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	2	28

Term Project	12	8	0	96
Studio Work	7	1	0	7
Midterm Examination	1	10	1	11
Final Examination	1	10	1	11
			Total Workload (Hours)	153
			[Total Workload (Hours) / 25*] = **ECTS**	6
**25 hour workload is accepted as 1 ECTS*				

Learning Outcomes	
1	
2	
3	
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5	

Programme Outcomes *(Fashion Design)*	
1	
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12	Ability to use the methods and techniques of career planning and discussing the effects of character traits on career preferences.
13	To have knowledge about substance use and addiction problem and prevention methods.

Contribution of Learning Outcomes to Programme Outcomes *1:Very Low, 2:Low, 3:Medium, 4:High, 5:Very High*

	L1	L2	L3	L4	L5
P1	5	5	5	5	5
P2	5	5	5	5	5
P3	5	5	5	5	5
P4	5	5	5	5	5
P5	5	5	5	5	5
P6	5	5	5	5	5
P7	5	5	5	5	5
P8	5	5	5	5	5
P9	5	5	5	5	5
P10	2	2	2	2	2
P11	2	2	2	2	2