SYNTHETIC THREAD TECHNOLOGY									
1	Course Title:	SYNTHE	ETIC THREAD TECHNOLOGY						
2	Course Code:	TKSS245							
3	Type of Course:	Optional							
4	Level of Course:	Short Cycle							
5	Year of Study:	2							
6	Semester:	3							
7	ECTS Credits Allocated:	3.00							
8	Theoretical (hour/week):	1.00							
9	Practice (hour/week):	2.00							
10	Laboratory (hour/week):	0							
11	Prerequisites:	NO.							
12	Language:	Turkish							
13	Mode of Delivery:	Face to	face						
14	Course Coordinator:	Öğr.Gör	. SERMET ÇELİKÇAPA						
15	Course Lecturers:	Öğr.Gör	Sermet Çelikçapa.						
16	Contact information of the Course Coordinator:	Tel: 2942376 e-mail: sermet@uludag.edu.tr							
17	Website:								
18	Objective of the Course:	To be able to recognise synthetic yarn production methods, to be able to explain textured yarn production methods, to be able to cutting and plutting filaments, Synthetic fibers are produced for different purposes will be given to recognize qualifications.							
19	Contribution of the Course to Professional Development:								
20	Learning Outcomes:								
		1	To be able to realize natural and synthetic fibers.						
		2	To be able to explain to produce polymer fibers.						
		3	To be able to list properties of POY, FDY yarn that srectched filament yarns with stretching process.						
		4	To be able to make the staple filament,to be able to recognize mixing yarns.						
		5	To be able to list the methods of obtaining texturized yarn and textured yarn properties.						
		6	To be able to recognize microfibres, to be able to list the properties and applications of microfibers.						
		7	To be able to explain the production of bulky yarns, to list the properties and applications of bulky yarns.						
		8	To be able to explain the production of elastic fibers, elastic fibers and their use to list properties.						
		9	To be able to explain the production of metallic yarns,to be able to list the properties and applications of metallic yarns.						

Deable to list Bicomponent fibers and their use proposed in the proposed in				I <del>-</del> 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1					
Course Content:			10	To be able to explain production of bicomponent fibers, to be able to list Bicomponent fibers and their use properties.					
Course Content:		0 0							
Theoretical	21	Course Content:							
The history of synthetic yarn, classification of synthetic fibers.  The information about the polymer and fiber structure.  The information about the polymer and fiber structure.  Methods for obtaining synthetic fibers.  Application in the laboratory to obtain chips of synthe fibers.  Application in the laboratory to obtain chips of synthe fibers.  LOY yarn, POY yarn, FDY yarn.  Laboratory practice in order to comprehend the effectensile properties of filaments of the yarn process.  Staple filaments making.  Comparison of continuous filaments with staple filaments in the yarn process.  Introduction of varieties of textured yarn.  Mixing yarns.  Technical trips in environmental companies.  Introduction of microfibres with examples and microfibres in comparison with other fibers.  Introduction of bulky yarns and elastic yarns examples, comparison with other fibers.  Introduction of metallic fibres with examples and metallic fibres in comparison with other fibers.  Introduction of metallic fibres with examples and metallic fibres in comparison with other fibers.  Introduction of metallic fibres with examples and metallic fibres in comparison with other fibers.  Introduction of metallic fibres with examples and metallic fibres in comparison with other fibers.  Textbooks, References and/or Other Materials:  Work in the laboratory to produce bicomponent fibers.  Chemical Fibers, Prof. Dr. Needet Seventekin, University of Ege. Synthetic Filament Yarn Production and Texturing Technology, Prof. Dr. Ail Demir, 2006. Fiber information, Incl Baser, 1992.  Assessment  TERM LEARNING ACTIVITIES  Number  Number  Number  Number  Number  Number  Number  1 30.00  0.00  Home work-project  0 0.00  Total	\\/ I -	The and the l	Co						
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8 I.Midterm examination. 9 Mixing yarns. 10 Microfibres. 11 Bulked yarns, elastic yarns. 12 Introduction of microfibres with examples and microfibres in comparison with other fibers. 12 Metallic yarns. 13 II.Midterm examination. 14 Bicomponent fibers. 15 Textbooks, References and/or Other Materials: 16 Assesment 17	6	Staple filaments making.		Comparison of continuous filaments with staple filaments.					
Mixing yarns.   Technical trips in environmental companies.	7	Texturing process.		Introduction of varieties of textured yarn.					
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microfibres in comparison with other fibers.  11 Bulked yarns, elastic yarns.  Introduction of bulky yarns and elastic yarns examples, comparison with other fiber bulk and elastic yarns.  Introduction of metallic fibres with examples and metallic fibres in comparison with other fibers.  II. Midterm examination.  II. Midterm examination.  III. Midterm examination.  Work in the laboratory to produce bicomponent fibers.  Introduction of metallic fibres with examples and metallic fibres in comparison with other fibers.  III. Midterm examination.  Chemical Fibers, Prof. Dr. Necdet Seventekin, Univer of Ege, Synthetic Filament Yarn Production and Texturing Technology, Prof. Dr. Ali Demir, 2006. Fiber information, Inci Başer, 1992.  23 Assesment  TERM LEARNING ACTIVITIES  NUMBE R  Midterm Exam  1 30.00  Quiz 1 20.00  Home work-project 0 0.00  Final Exam 1 50.00  Total	9	Mixing yarns.		Technical trips in environmental companies.					
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Metallic yarns.    Metallic yarns.   metallic fibres in comparison with other fibers.	11	Bulked yarns, elastic yarns.		examples,comparison with other fiber bulk and elastic					
Textbooks, References and/or Other Materials:  Chemical Fibers, Prof. Dr. Necdet Seventekin, University of Ege, Synthetic Filament Yarn Production and Texturing Technology, Prof. Dr. Ali Demir, 2006. Fiber information, İnci Başer, 1992.  Assesment  TERM LEARNING ACTIVITIES  NUMBE R  Midterm Exam  1 30.00  Quiz 1 20.00  Home work-project 0 0.00  Final Exam 1 50.00  Total  Work in the laboratory to produce bicomponent fibers  Chemical Fibers, Prof. Dr. Necdet Seventekin, University of Ege, Synthetic Filament Yarn Production and Texturing Technology, Prof. Dr. Ali Demir, 2006. Fiber information, İnci Başer, 1992.		Metallic yarns.							
Textbooks, References and/or Other Materials:  Chemical Fibers, Prof. Dr. Necdet Seventekin, University of Ege , Synthetic Filament Yarn Production and Texturing Technology, Prof. Dr. Ali Demir,2006. Fiber information, İnci Başer,1992.  Remulative of Ege , Synthetic Filament Yarn Production and Texturing Technology, Prof. Dr. Ali Demir,2006. Fiber information, İnci Başer,1992.  Number Remulative Number Remulative Number Remulative Number Remulative Number Remulative Number Remulative Number Remulative Number Remulative Number Remulative Number Remulative Number Remulative Number Remulative Number Remulative Number Num	13	II.Midterm examination.		II.Midterm examination.					
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	Final Exam 1			50.00					
	Total		3	100.00					
Contribution of Term (Year) Learning Activities to Success Grade  50.00	Contribution of Term (Year) Learning Activities to Success Grade		es to	50.00					
Contribution of Final Exam to Success Grade 50.00	Contrib	ution of Final Exam to Success Grade	)	50.00					
Total 100.00	Total			100.00					
Measurement and Evaluation Techniques Used in the Course		ement and Evaluation Techniques Us	sed in the						
24 ECTS / WORK LOAD TABLE	24	ECTS / WORK LOAD TABLE		,					

Activites								1	Number			Dura	Duration (hour)			Total Work Load (hour)	
Theoretical									14			1.00			14.00		
Practicals/	Labs							1	14			2.00			28.00		
								1	14			2.00	2.00		28.00		
Homework	(S							C	0			0.00	0.00		0.00		
Projects									0			0.00	0.00		0.00		
Field Stud	ies							C	)			0.00			0.00		
Midterm ex	Midterm exams								1			5.00	5.00		5.00		
Others									0			0.00	0.00		0.00		
Final Exan	ns							1	1			10.00	10.00		10.00		
Total Work	k Load														85.00		
Total work load/ 30 hr															2.83		
ECTS Cre	dit of t	he Co	urse												3.00		
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	0	4	0	0	5	0	0	0	0	0	0	0	0	0	0	
ÖK2	4	5	0	0	0	5	4	0	0	0	0	0	0	0	0	0	
ÖK3	0	4	0	0	0	5	4	0	0	5	0	0	0	0	0	0	
ÖK4	0	5	0	0	0	0	4	0	0	4	0	0	0	0	0	0	
ÖK5	0	5	0	0	0	5	4	0	0	4	0	0	0	0	0	0	
ÖK6	5	4	0	0	0	5	4	0	0	0	0	0	0	0	0	0	
		1	1	<u> </u>	<u> </u>			<u> </u>		0	<u> </u>	1	1	1			

LO: Learning Objectives PQ: Program Qualifications

ÖK8

ÖK9

ÖK10

Contrib	1 very low	2 low	3 Medium	4 High	5 Very High
ution					
Level:					