

# TEXTURED YARN TECHNOLOGY

1	Course Title:	TEXTURED YARN TECHNOLOGY
2	Course Code:	TEK4117
3	Type of Course:	Optional
4	Level of Course:	First Cycle
5	Year of Study:	3
6	Semester:	5
7	ECTS Credits Allocated:	3.00
8	Theoretical (hour/week):	2.00
9	Practice (hour/week):	0.00
10	Laboratory (hour/week):	0
11	Prerequisites:	None
12	Language:	Turkish
13	Mode of Delivery:	Face to face
14	Course Coordinator:	Doç. Dr. SERPİL KORAL KOÇ
15	Course Lecturers:	
16	Contact information of the Course Coordinator:	skoral@uludag.edu.tr / 0 224 2942065 Bursa Uludağ Üniversitesi, Mühendislik Fakültesi, Tekstil Mühendisliği Bölümü, Görükle-Bursa
17	Website:	
18	Objective of the Course:	To understand texturing methods and properties of textured yarns
19	Contribution of the Course to Professional Development:	In the textile industry, most of the synthetic filaments are used after being textured. For this reason, every textile engineer should know texturing methods and properties of textured yarns. In this respect, it is thought that this course will make an essential contribution to the professional development of the students.
20	Learning Outcomes:	
	1	To understand the purpose of the texturing process.
	2	To understand the texturing methods.
	3	To understand the properties of the textured yarns and to be able to distinguish them.
	4	
	5	
	6	
	7	
	8	
	9	
	10	
21	Course Content:	
	<b>Course Content:</b>	
Week	Theoretical	Practice
1	Definition, purpose, and classification of the texturing process.	
2	False-twist texturing process	
3	False-twist texturing process	
4	False-twist texturing process	

5	Stuffer-box texturing method	
6	Other thermo-mechanical texturing methods	
7	Air-jet texturing process	
8	Air-jet texturing process	
9	Air-jet texturing process	
10	Bulked continuous-filament yarns (BCF)	
11	Other texturing methods	
12	Laboratory testing of textured yarns	
13	Laboratory testing of textured yarns	
14	Technical visit to a textured yarn producer	

22	Textbooks, References and/or Other Materials:	<ul style="list-style-type: none"> <li>-Current research papers about texturing process</li> <li>-Sentetik Filament İplik Üretim ve Tekstüre Teknolojileri/ Ali Demir, İstanbul, 2006.</li> <li>-Yarn Texturing Technology, J W S Hearle, L Hollick and D K Wilson, Textile Institute, 2001.</li> <li>-False Twist Textured Yarns, C Atkinson, Woodhead Publishing, 2012.</li> </ul>
----	---	--

23	Assesment
----	-----------

TERM LEARNING ACTIVITIES	NUMBER	WEIGHT
--------------------------	--------	--------

Activites	Number	Duration (hour)	Total Work Load (hour)
-----------	--------	-----------------	------------------------

Theoretical		14		
Final Exam	1	60.00	2.00	28.00

Practicals/Labs	0	0.00	0.00
-----------------	---	------	------

Self study and preparation			
Contribution of Term (Year) Learning Activities to	40.00	14.00	14.00

Homeworks	0	0.00	0.00
-----------	---	------	------

Contribution of Final Exam to Success Grade	60000	0.00	0.00
---	-------	------	------

Field Studies	0	0.00	0.00
---------------	---	------	------

Midterm exams	10	20.00	0.00
Measurement and Evaluation Techniques Used in the	Measurement and evaluation are carried out through		

Others	0	0.00	0.00
--------	---	------	------

Final Exams	1	28.00	28.00
-------------	---	-------	-------

Total Work Load			70.00
-----------------	--	--	-------

Total work load/ 30 hr			3.00
------------------------	--	--	------

ECTS Credit of the Course			3.00
---------------------------	--	--	------

25	<b>CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS</b>
----	--

[illegible]

**LO: Learning Objectives**      **PQ: Program Qualifications**

<b>Contribution Level:</b>	<b>1 very low</b>	<b>2 low</b>	<b>3 Medium</b>	<b>4 High</b>	<b>5 Very High</b>
----------------------------	-------------------	--------------	-----------------	---------------	--------------------