OPEN END ROTOR SPINNING											
1	Course Title:	OPEN END ROTOR SPINNING									
2	Course Code:	TEK6037									
3	Type of Course:	Optional									
4	Level of Course:	Third Cycle									
5	Year of Study:	2									
6	Semester:	3									
7	ECTS Credits Allocated:	6.00									
8	Theoretical (hour/week):	3.00									
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:	Prof. Dr. SUNAY ÖMEROĞLU									
15	Course Lecturers:	-									
16	Contact information of the Course Coordinator:	Prof.Dr. Sunay OMEROĞLU e-mail: sunay@uludag.edu.tr Tel: 0 224 294 2053 Bursa Uludağ Üniversitesi Mühendislik Fakültesi Tekstil Mühendisliği Bölümü 16059-Görükle-Bursa									
17	Website:										
18	Objective of the Course:	To give information about the basic principle of rotor spinning, the rotor yarn formation principle, the structure of the rotor spinning machine, the spinning elements and selection criteria, the rotor yarn structure, the factors affecting the rotor yarn structure, the developments in the rotor spinning machines.									
19	Contribution of the Course to Professional Development:	To have detailed information about open-end rotor spinning and rotor yarn formation theory.									
20	Learning Outcomes:										
		1	Explain the rotor thread formation principle.								
		2	To be able to explain the effects of raw material, process and machine parameters on yarn properties.								
		3	Ability to determine raw material, process and machine parameters in order to obtain certain yarn properties								
		4	Ability to perform production calculations on rotor spinning machine								
		5	To be informed about developments in rotor spinning machines								
		6	Foreign literature review								
		7									
		8									
		9									
		10									
21	Course Content:										

	Course Content:											
Week	Theoretical		Practice									
1	Ability to determine raw material, pro machine parameters in order to obta yarn properties	cess and in certain										
2	Influencing main factors in rotor spin	ning										
3	Importance of raw material properties preparation processes in rotor spinni	s and ng										
4	Structure of rotor spinning machine											
5	Sliver opening process and opening Fiber deposition and yarn formation i rotor	rollers inside the										
6	Fiber movement between the openin and the rotor groove	g system										
7	Yarn formation and backdoubling in t	the rotor										
8	Rotor yarn formation and the effect o twist	of false										
9	Fiber arrangement in rotor yarns											
10	Rotor types and the effects on yarn p	properties										
11	Nozzle and twist stopper types and the effects on yarn properties	heir										
12	Characteristics of rotor yarns and fab derived from them	orics										
Activit	es		Number	Duration (hour)	Total Work Load (hour) धूकुटुकुतिde Bazi							
Practic	IMaterials:		Uretim Parametrelerini	n liplik Ozelliklerine E								
Self stu	dy and preperation		- Itommer, G., Kotor S	סוארות, Deutscher <del>-</del>	achyenag,							
Homew	lorks		0	0.00	0.00							
Project			-nadogiu, n., Rotor ipi	nçılığı, ⊑ge oniversi	6.00 Iesi, 2002							
Field S	r tudies		0	0.00								
M <b>23</b> ern	Assasment		0	0.00	0.00							
Others		i	0	0.00	0.00							
FIDALE	X H Q Sm	0	0.00	96.00	96.00							
Total W	/ork Load	U			180.00							
Total w	ork load/ 30 hr	1	15.00		6.00							
ECTS (	Credit of the Course				6.00							
Total		2	100.00									
Contrib Succes	ution of Term (Year) Learning Activities Grade	es to	15.00									
Contrib	ution of Final Exam to Success Grade	e	85.00									
Total			100.00									
Measur Course	rement and Evaluation Techniques Us	sed in the	Written examination Determination of foreign literature review-compilation ability									
24	ECTS / WORK LOAD TABLE											

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	0	0	2	2	0	0	0	0	0	0	0	0	0	5
ÖK2	5	0	0	0	1	2	0	0	0	0	0	0	0	0	0	0
ÖK3	5	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0
ÖK4	5	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
ÖK5	5	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
ÖK6	0	4	0	0	0	0	0	4	0	0	0	0	0	0	0	0
LO: Learning Objectives PQ: Program Qualifications																
Contrib ution Level:	b 1 very low		ow		2 low	3 Medium			4 High			5 Very High				