



## AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Yarn Technology							
Course Code		İTN105		Course Level		Short Cycle (Associate's Degree)			
ECTS Credit	7	Workload	175 ( <i>Hours</i> )	Theory	3	Practice	1	Laboratory	0
Objectives of the Course		The main aim of the lecture is to gain the qualifications , such as, recognizing of wool spinning and cotton spinning, explaining of spinning systems and yarn structure, basic concepts in spinning and operations							
Course Content		Recognizing of wool and cotton fibers, and explaining of ring and open-end yarns the formation and properties							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Experiment, Demonstration					
Name of Lecturer(s)									

### Assessment Methods and Criteria

Method	Quantity	Percentage (%)
Midterm Examination	1	40
Final Examination	1	70

### Recommended or Required Reading

1	.Nazilli,G.-Alakuş, S.Pamuk İplikçiliği (2003) Ege Üniversitesi,İzmir
2	Çarkım, Seher; Pamuk İpliği
3	.Bursa Sagem Yayını; Yün İplik Teknolojisi
4	Öğr.Gör.Yeliz UMUR; "Genel İplik Teknolojisi" ders notları,
5	Lecture notes

Week	Weekly Detailed Course Contents	
1	Theoretical	Calculation of admixture and determining process of willow and cleaning
	Practice	Calculation of admixture and determining process of willow and cleaning
	Laboratory	Calculation of admixture and determining process of willow and cleaning
2	Theoretical	Doing of admixture and determining process of willow and cleaning
	Practice	Doing of admixture and determining process of willow and cleaning
	Laboratory	Doing of admixture and determining process of willow and cleaning
3	Theoretical	Preparing a sample of comb machine to the production
	Practice	Preparing a sample of comb machine to the production
	Laboratory	Preparing a sample of comb machine to the production
4	Theoretical	Acquiring a band from comb machine
	Practice	Acquiring a band from comb machine
	Laboratory	Acquiring a band from comb machine
5	Theoretical	Preparing a sample of draw-frame machine to the production
	Practice	Preparing a sample of draw-frame machine to the production
	Laboratory	Preparing a sample of draw-frame machine to the production
6	Theoretical	Acquiring a band from draw-frame machine
	Practice	Acquiring a band from draw-frame machine
	Laboratory	Acquiring a band from draw-frame machine
7	Theoretical	Preparing a sample of fly frame machine to the production
	Practice	Preparing a sample of fly frame machine to the production
	Laboratory	Preparing a sample of fly frame machine to the production
8	Theoretical	Acquiring a band from fly frame machine
	Practice	Acquiring a band from fly frame machine
	Laboratory	Acquiring a band from fly frame machine
9	Theoretical	Preparing a sample of ring yarn machine to the production
	Practice	Preparing a sample of ring yarn machine to the production



9	Laboratory	Preparing a sample of ring yarn machine to the production
10	Theoretical	Acquiring a band from ring yarn machine
	Practice	Acquiring a band from ring yarn machine
	Laboratory	Acquiring a band from ring yarn machine
11	Theoretical	Preparing a sample of open-end machine to the production
	Practice	Preparing a sample of open-end machine to the production
	Laboratory	Preparing a sample of open-end machine to the production
12	Theoretical	Acquiring a band from open-end machine
	Practice	Acquiring a band from open-end machine
	Laboratory	Acquiring a band from open-end machine
13	Theoretical	Preparing a sample of bobbin machine to the production
	Practice	Preparing a sample of bobbin machine to the production
	Laboratory	Preparing a sample of bobbin machine to the production
14	Theoretical	Acquiring a band from bobbin machine
	Practice	Acquiring a band from bobbin machine
	Laboratory	Acquiring a band from bobbin machine

### Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	3	42
Lecture - Practice	14	0	1	14
Seminar	5	0	2	10
Project	1	0	11	11
Laboratory	10	0	3	30
Reading	7	0	4	28
Midterm Examination	1	15	0	15
Final Examination	1	0	25	25
Total Workload (Hours)				175
[Total Workload (Hours) / 25*] = ECTS				7

\*25 hour workload is accepted as 1 ECTS

### Learning Outcomes

1	1. Preparing; a sample of admixture, willow and cleaning
2	2. Acquiring a sample of card , drawing, cord band
3	3. Acquiring a sample Ring, Open- End yarn
4	4. Acquiring a sample bobbin
5	Acquiring a band from bobbin machine

### Programme Outcomes (Textile Technology)

1	1. To have basic theoretical and practical knowledge related to the field of textile technology, weaving, finishing process and pattern design. Be able to recognize problems, develop solutions for the problems, designing and having the ability to use theoretical knowledge in practical applications.
2	2. Be able to identify problems, develop solutions to the problems, be able to devise, to have the ability to use theoretical knowledge in practical applications by using acquired the basic knowledge and skills in the field. – Be able to choose technical equipments which are needed for applications in the field and use effectively. - Awareness of the need for life-long learning to follow developments in the textile technology, learning independently and to gain awareness of continuous self-renewal. - Be able to examine the application of production processes in the textile industry. – Be respectful to their own history and to be conscious about the subjects of social responsibility, universal and social and professional ethics.
3	3. To have basic theoretical and practical knowledge related to the field of textile technology, weaving, finishing process and pattern design. To be conscious about the subjects of job security, the information of environmental protection, quality awareness and being conscious of participating in team work.
4	4. Be able to identify problems, develop solutions to the problems, be able to devise, to have the ability to use theoretical knowledge in practical applications by using acquired the basic knowledge and skills in the field. - To be conscious about the subjects of job security, the information of environmental protection, quality awareness and being conscious of participating in team work.
5	5. Be able to examine the application of production processes in the textile industry. Be able to identify problems, to develop solutions to the problems, be able to devise, to have the ability to use theoretical knowledge in practical applications by using acquired the basic knowledge and skills in the field. Be respectful their own history and be conscious about the subjects of social responsibility, universal and social and professional ethics.



6	6. Be able to examine the application of production processes in the textile industry. To be aware solutions and applications of the effects of global and societal context in technician-level; being aware of entrepreneurship and innovation, and to have knowledge of the issues of the age.
7	7. To gain the knowledge and awareness of Ataturk's principles & reforms and using Turkish Language effectively.
8	8. To gain the knowledge about his/her society and to gain a different point of view about the world

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

	L1	L2	L3	L4
P1	3	2	2	3
P2	5	5	5	5
P3	5	5	5	5
P4	5	5	5	5
P5	5	5	5	5
P6	3	3	3	3
P7	4	4	4	4
P8	3	3	3	3

