



AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Research Methods and Technology							
Course Code		İTN271		Course Level		Short Cycle (Associate's Degree)			
ECTS Credit	3	Workload	75 (Hours)	Theory	1	Practice	1	Laboratory	0
Objectives of the Course		With the help of this course, students will gain the ability of how to make researches.							
Course Content		Science, scientific information, research methods, making researches and presenting.							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Discussion, Case Study, Project Based Study					
Name of Lecturer(s)									

Assessment Methods and Criteria

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

Recommended or Required Reading

1	Araştırma Yöntem ve Teknikleri Rauf ARIKAN
2	Bilimsel Araştırma ve Yazma Teknikleri Suat Cebeci
3	Lecture notes

Week	Weekly Detailed Course Contents	
1	Theoretical	Science and scientific information
2	Theoretical	Types of research methodology
3	Theoretical	Election of reseach topics
4	Theoretical	Election of reseach topics
5	Theoretical	Research for resources
6	Theoretical	Research for resources
7	Theoretical	Evaluation of research results
8	Theoretical	Evaluation of research results
9	Theoretical	Preparation for presentations
10	Theoretical	Preparation for presentations
11	Theoretical	Presenting a topic
12	Theoretical	Presenting a topic
13	Theoretical	Presenting a topic
14	Theoretical	Presenting a topic

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	3	42
Project	1	0	15	15
Midterm Examination	1	8	0	8
Final Examination	1	10	0	10
Total Workload (Hours)				75
[Total Workload (Hours) / 25*] = ECTS				3

*25 hour workload is accepted as 1 ECTS

Learning Outcomes

1	1. Making researches
2	2. Preparing research reports
3	3. Presenting research results



4	Statistical Applications in Preparation of Research Report
5	Evaluation of research results

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 Atatürk'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
P1	2	2	2
P2	5	5	5
P3	5	5	5
P4	5	5	5
P5	5	5	5
P6	3	3	3
P7	4	4	4
P8	3	3	3

