



AYDIN ADNAN MENDERES UNIVERSITY
SÖKE VOCATIONAL SCHOOL
ELECTRICAL AND ENERGY
ALTERNATIVE ENERGY SOURCES TECHNOLOGY
COURSE INFORMATION FORM

Course Title	Quality Management Systems								
Course Code	TTİ253			Course Level		Short Cycle (Associate's Degree)			
ECTS Credit	2	Workload	50 (Hours)	Theory	2	Practice	0	Laboratory	0
Objectives of the Course	Total Quality consciousness, Total Quality Management principles, know the application steps and to educate students who are knowledgeable about current quality management system standards								
Course Content	At the end of this course students will be able to; 1. Will be able to express basic quality concepts, quality development, dimensions and elements. 2. Will be able to express quality gurus and their contribution to quality. 3. will be able to express the principles of Total Quality Management. 4. Will be able to express the quality responsibilities of the departments in the organization and those in various levels.								
Work Placement	N/A								
Planned Learning Activities and Teaching Methods	Explanation (Presentation), Discussion								
Name of Lecturer(s)	Lec. Bade CEVİZ, Lec. İsmınaz ÖZCAN								

Assessment Methods and Criteria

Method	Quantity	Percentage (%)
Midterm Examination	1	40
Final Examination	1	60

Recommended or Required Reading

1	Quality Management Systems, Lecture notes
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Week	Weekly Detailed Course Contents	
1	Theoretical	Quality concept
2	Theoretical	Quality concept
3	Theoretical	Standard and standardization
4	Theoretical	Importance of standard in production and service sector
5	Theoretical	Management quality and standards
6	Theoretical	Management quality and standards
7	Theoretical	Environmental standards
8	Intermediate Exam	Midterm
9	Theoretical	Quality management system models
10	Theoretical	Strategic management
11	Theoretical	Participation in management
12	Theoretical	Process management system
13	Theoretical	Resource management system
14	Theoretical	perfection model

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	2	28
Midterm Examination	1	10	1	11



Final Examination	1	10	1	11
			Total Workload (Hours)	50
			[Total Workload (Hours) / 25*] = ECTS	2
*25 hour workload is accepted as 1 ECTS				

Learning Outcomes

1	Will be able to express basic quality concepts, quality development, dimensions and elements.
2	Will be able to express the principles of Total Quality Management
3	Will be able to express the quality responsibilities of the departments in the organization and those in various levels.
4	Applies Quality Standards.
5	Learn the relevant regulations.

Programme Outcomes (Alternative Energy Sources Technology)

1	Carry out installing work
2	Do mechanical drawing
3	Do pipe welding
4	Do basic electricity works
5	Do Computer assisted design
6	Install solar energy hot water preparation system.
7	Do measurement and calculations practices.
8	Do basic practices of geothermal energy.
9	Install control and automation system.
10	Install domestic water heating system with solar energy.
11	Generate electricity with solar energy
12	Generate electricity with wind power
13	Do geothermal energy practices
14	Install domestic cooling system
15	Do heating pump practices
16	Manage a business
17	SET UP A WORKPLACE/ BUSINESS (pre-requisite)
18	OBEY VOCATIONAL ETHICAL VALUES
19	RESEARCH AND EVALUATION/OBSERVATION
20	SELFIMPROVEMENT WITH USING INFORMATION FACILITIES
21	Knows the effects of all energy sources on the environment.
22	Can communicate in a foreign language

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

	L1	L2	L3	L4	L5
P19	1	1	1	1	1
P20	1	1	1	1	1

