



**AYDIN ADNAN MENDERES UNIVERSITY**  
**AYDIN VOCATIONAL SCHOOL**  
**MECHANICAL AND METAL TECHNOLOGY**  
**MACHINERY**  
**COURSE INFORMATION FORM**

Course Title	Quality Management Systems								
Course Code	İŞT151		Course Level		Short Cycle (Associate's Degree)				
ECTS Credit	2	Workload	50 (Hours)	Theory	2	Practice	0	Laboratory	0
Objectives of the Course	At lesson; to gain the application qualifications of quality management systems.								
Course Content	Quality concept, standards and quality systems.								
Work Placement	N/A								
Planned Learning Activities and Teaching Methods	Explanation (Presentation), Discussion, Case Study								
Name of Lecturer(s)	Ins. Hasan ULUKAN, Ins. Pınar GAYRET, Ins. Saadet Nihal COŞKUN								

Assessment Methods and Criteria		
Method	Quantity	Percentage (%)
Midterm Examination	1	30
Final Examination	1	70

Recommended or Required Reading	
1	Orhan Küçük, "Kalite Yönetimi ve Kalite Güvence Sistemleri", Seçkin Kitabevi
2	Yardımcı kitap,
3	Ders notları
4	Diğer kaynaklar

Week	Weekly Detailed Course Contents	
1	Theoretical	Quality concept
2	Theoretical	Quality concept, standard and standardization
3	Theoretical	Standard and standardization
4	Theoretical	The importance of the standard in the production and service sector
5	Theoretical	Management quality and standards
6	Theoretical	Environmental standards
7	Theoretical	Quality management system models
8	Theoretical	Quality management system models
9	Intermediate Exam	midterm
10	Theoretical	At the management
11	Theoretical	Process management system
12	Theoretical	Resource management system
13	Theoretical	Strategic management
14	Theoretical	
15	Theoretical	Efqm excellence model
16	Final Exam	Final Examination

Workload Calculation				
Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	2	28
Reading	10	0	1	10
Midterm Examination	1	5	1	6



Final Examination	1	5	1	6
Total Workload (Hours)				50
[Total Workload (Hours) / 25*] = ECTS				2
*25 hour workload is accepted as 1 ECTS				

### Learning Outcomes

1	Explain the concept of quality and its components.
2	Explain the basic concepts of quality management systems.
3	Creating Infrastructure of Quality Management System
4	Explain quality management techniques at basic level.
5	Application of Quality Standards

### Programme Outcomes (Machinery)

1	To be able to know general properties and usage areas of industrial materials and make selection.
2	Design of machine elements.
3	To be able to make production using machining and welding machines without machining.
4	To be able to make measurement and quality control processes with machine tools for measuring and control equipment.
5	To be able to make necessary corrections in order to determine the mistakes by using the necessary non-destructive test methods in welded parts and to eliminate these mistakes.
6	Preventive measures to prevent the occurrence of these faults by preliminarily determining the faults that will occur in the machines as statistical data and to make necessary interventions in case of breakdown.
7	They can make drawings of work pieces on CAD station and apply them on CNC looms. Ability to operate and use CAD / CAM and AUTOCAD package programs.
8	To be able to transfer engineering science and technology to practice by making calculations in the direction of scientific principles.
9	It can repair the elements in pneumatic and hydraulic systems which are indispensable elements of automatic control systems and can regulate their work.
10	The student who is trained as a machine technician during the whole program knows that industrial task definition in the field of work is error finding, problem solving, decision making, planning of functions and activities and they can be achieved by aiming to acquire these characteristics.

