



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

Course Title	Quality Assurance and Standards								
Course Code	TAB110			Course Level		Short Cycle (Associate's Degree)			
ECTS Credit	2	Workload	50 (Hours)	Theory	2	Practice	0	Laboratory	0
Objectives of the Course	To understand the necessity and importance of standardization. To understand the basic information about standardization. To give information about quality and quality concepts. To understand the importance of quality assurance. Professional standards describe.								
Course Content	Development process of standardization and definition. Subject of standardization, aims and principles. Regional and international standardization organizations. National and international metrology, calibration studies. Definition of quality, quality related concepts. Total quality management. ISO 9000 standards.								
Work Placement	N/A								
Planned Learning Activities and Teaching Methods	Explanation (Presentation), Discussion, Case Study, Individual Study								
Name of Lecturer(s)	Ins. Evrim ÇEVİK								

Assessment Methods and Criteria

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

Recommended or Required Reading

1	1. Çağlar, İ. ve Kılıç, S., 2011. Kalite Güvence Standartları. Nobel Yayın, ISBN:994477006x.
2	2. Ertuğrul, İ., 2006. Toplam Kalite Kontrol ve Teknikleri. Ekin Kitabevi yayınları, ISBN:9758768239.
3	3. TSE Standartları

Week	Weekly Detailed Course Contents	
1	Theoretical	Introduction to the class, definitions and general information about lesson
2	Theoretical	Development process of standardization, the definition
3	Theoretical	Subject of standardization, aims and principles. Standardization to the manufacturer, the benefits to consumers and the economy
5	Theoretical	Quality concept, the concept of total quality management approach evolved in the historical process of emergence and the reasons for the emergence of the concept of total quality.
6	Theoretical	Compare of total quality management concept and classical management concept
7	Theoretical	Fundamental concepts of total quality management, importance of these concepts for total quality management.
8	Intermediate Exam	Midterm Exam
9	Theoretical	Total quality management elements and the importance of these elements
10	Theoretical	PDCA cycle, principles
11	Theoretical	Quality circles, organization, operation, benefits
12	Theoretical	Problem solving techniques used in total quality management
13	Theoretical	Quality costs and quality costs system
14	Theoretical	Compare of total quality management practices in Turkey and around the world
15	Theoretical	Professional Standards

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	2	28
Midterm Examination	1	8	1	9
Final Examination	1	12	1	13
Total Workload (Hours)				50
[Total Workload (Hours) / 25*] = ECTS				2

*25 hour workload is accepted as 1 ECTS



Learning Outcomes

1	1.To be able to describe the objectives and principles of standardization
2	2. To be able to have knowledge about regional and international standardization organizations and the certification activities in Turkey,
3	3.To be able to have knowledge about professional standards
4	4.To be able to understand the philosophy of total quality management
5	5.To be able to create quality awareness in individuals

Programme Outcomes (Agricultural Machinery)

1	To be able to comprehend social, cultural and societal responsibility and keep up with national and international up contemporary issues and developments.
2	To be able to be bounded to the Atatürk nationalism, adopted to the national, ethic, spiritual and cultural value of the Turkish Nation, opened to the universal and modern development, adopted the richness, deep seated and productive properties of the Turkish language, having language sympathy and awareness, having reading pleasure and habit and having sufficient foreign language for their vocational necessities, In the directions of the Atatürk Principles and Revolutions,
3	To be able to recognize the basic computer hardware and operating systems , knowledge of internet usage being able to prepare documents, electronic tables and presentation by using office programs.
4	To be able to be aware of ethic responsibility and vocational profession and to have consciousness of a lifelong learning concept
5	To be able to know current vocational issues and to have skill to define and interpret them.
6	To be able to be aware of the universal and social dimensional effects in engineering solutions, and to be able to have knowledge about entrepreneurship and newfangledness.
7	To recognize the materials which used for preparation of agricultural machinery and have skill for the choosing the appropriate material.
8	To be able to acquire the skill of using the necessary tools and equipments which are used in the production and maintenance of agricultural machinery.
9	To be able to prepare the agricultural tools and machineries, to determine the breakdowns and to do periodic maintenance and repairs.
10	To be able to comprehend the picture of the agricultural tools and machinery and their fabrication , and have the skill to draw them via computer.
11	To be able to assemble and to combine machinery pieces by using demountable and nondetachable junction methods.
12	To be able to have the skill of resistance calculations of the agricultural tool and machinery on computer.
13	To be able to test and control the suitability of new machines and mechanic equipment to the definite standarts and technical properties.
14	To be able to have general knowledge of agricultural production.
15	To be able to have knowledge of basic sciences.

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

	L1	L2	L3	L4	L5
P4	3	3	5	3	3
P5			4	3	4
P6			4		
P7			4		
P8			4		
P9			4		
P13			4		
P15			4		

