



## AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Agricultural Safety							
Course Code		BKR220		Course Level		Short Cycle (Associate's Degree)			
ECTS Credit	2	Workload	50 (Hours)	Theory	2	Practice	0	Laboratory	0
Objectives of the Course		The agriculture sector needs to be analysed in a social state approach and needs proactive approaches with a perception of risk, due to its unique working conditions, the possibility of facing industry-specific chemical, physical, hygienic and ergonomic risks and hazards, and the different characteristics of its employees.							
Course Content		Safety accidents and occupational diseases in the sector can be largely prevented, especially in the agricultural sector, with the Safety culture, risk assessment, employee participation, correct use of personal protective equipment, appropriate and safe machine selection, health surveillance, workplace layout and safety, closed areas management, integrated management of chemicals. .							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Discussion, Case Study, Problem Solving					
Name of Lecturer(s)		Ins. Muammer ERDEN							

### Assessment Methods and Criteria

Method	Quantity	Percentage (%)
Final Examination	1	100

### Recommended or Required Reading

1	Instructor lecture notes
2	Law No. 6331 and related regulations
3	Publications of the General Directorate of Occupational Health and Safety

Week	Weekly Detailed Course Contents	
1	Theoretical	Law No. 6331 and related regulations
2	Theoretical	Occupational Health and Safety in Turkey and World Agriculture
3	Theoretical	Hazard and Risk Sources in Agriculture
4	Theoretical	Ergonomic Risks and Protection Methods (Manual Working Guidelines, Instructions for Using Hand Tools, Bending, Movement etc.)
5	Theoretical	Working with Machines and Tools (Dangerous areas in machines, Safe stop, things to do before starting)
6	Theoretical	Working with Machines and Tools (What to do Before Using the Machine, Using the Machine, Troubleshoot Problems)
7	Theoretical	Occupational Diseases and prevention methods
8	Theoretical	Chemical Use in Agriculture
9	Theoretical	Chemical Use in Agriculture (Storage, Transport, Preparation)
10	Theoretical	Chemical Use in Agriculture (Application, Spraying area, Health surveillance)
11	Theoretical	Personal Protective Equipment Used in Agriculture Sector
12	Theoretical	Hazards and Risks in Animal Production (Zoonoses)
13	Theoretical	Safe Transport Works
14	Theoretical	Zero Waste, Work Accidents in Agriculture

### Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	2	28
Final Examination	1	21	1	22
Total Workload (Hours)				50
[Total Workload (Hours) / 25*] = ECTS				2

\*25 hour workload is accepted as 1 ECTS



**Learning Outcomes**

1	Good knowledge of relevant legislation
2	Provides employee health and safety
3	Prevention of occupational risks, training and taking all kinds of precautions, including giving information, making the organization to provide the necessary tools and equipment, to be adapted to the changing conditions of health and safety measures and makes efforts to improve the current situation
4	It provides technical maintenance and checks of the equipment before it is used.
5	Identifies all dangers and risks related to occupational health and safety

**Programme Outcomes (Plant Protection)**

1	To be able to learn about systematics, morphological, biological, ecological and epidemiological information about diseases, pests and weeds that cause the loss of the crop at every stage of production,
2	To be able to become familiar with agricultural management control methods and their use in control of plant diseases, pests and weeds in cultivated agricultural crops,
3	To be able to diagnose and identify plant diseases, insect, mite or nematode pests or weeds that cause economical losses in stored crops and products,
4	To be able to use pesticides safely and effectively and informed about their hazardous non-target effects on the environment and human health.
5	To be able to learn plant protection products and their practice in organic agriculture,
6	To be able to evaluate the information obtained throughout the learning process with cause-effect relations, to be able to collect data and transfer the results to practice, and to predict where, when and why to use the information
7	To be able to comply with professional, cultural, social ethic rules in his / her field and to be entrepreneurial
8	To be able to have conscious of the universality of social rights, social justice, quality and cultural values, environment protection, occupational health and safety issues
9	To be able to use information and communication technologies together with the required computer software of his / her field
10	To be able to have the necessary background and qualifications to work in public and private agriculture sectors, to be able to conduct a study independently / as a team member and to be able to comply with the relevant legislation

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

	L1	L2	L3	L4	L5
P2	3	3	3	3	3
P4	4	4	4	4	4
P5	3	3	3	3	3
P6	5	3	3	3	3
P7	3	3	3	3	3
P8	5	5	5	5	5
P9	3	3	4	4	4
P10	4	4	4	4	4

