



AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Soil Knowledge							
Course Code		FY107		Course Level		Short Cycle (Associate's Degree)			
ECTS Credit	3	Workload	75 (Hours)	Theory	2	Practice	0	Laboratory	0
Objectives of the Course		Soil formation, physical, chemical and biological properties of soil, classification of soils, conservation, sustainability and aims to give students information about the improvent of soils							
Course Content		Soil formation, soil physical, chemical and biological properties, soil classification, protection, information is given to students about sustainability and improvement of lands							
Work Placement		Students must have to complete their internship within the required time and properties. The required rules are describes at the Adnan Menderes University, Sultanhisar Vocational School, Student Internship Instructions.							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Individual 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	Lecturers Lesson Notes
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Week	Weekly Detailed Course Contents	
1	Theoretical	Introduction, definition of soil and its composition
	Preparation Work	Lecture material
2	Theoretical	The main substance of the earth
3	Theoretical	Decomposition and composition processes in formation of soils
4	Theoretical	Processes in soils
5	Theoretical	Soil profile
6	Theoretical	Classification of soils
	Preparation Work	Lecture material
7	Theoretical	Classification of soils
	Preparation Work	Lecture material
8	Intermediate Exam	Midterm
9	Theoretical	The physical properties of mineral soils
10	Theoretical	Plants nutrients in mineral soils
11	Theoretical	Soil colloids
12	Theoretical	Soil reaction
13	Theoretical	Soil water- relationships
14	Theoretical	Evaporation, loss of water from soils
15	Theoretical	Living creatures in soils
16	Final Exam	Final Exam

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	2	28
Laboratory	5	5	0	25
Midterm Examination	1	9	1	10



Final Examination	1	11	1	12
Total Workload (Hours)				75
[Total Workload (Hours) / 25*] = ECTS				3
*25 hour workload is accepted as 1 ECTS				

Learning Outcomes

1	Describes soil and soil types
2	Knows soil formation
3	Describes physical, chemical and biological properties of soil
4	Having knowledge of conservation and sustainability of soil
5	Aims to improve soil

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
P5	3	3	3	3	3
P6	3	3	3	3	3
P10	2	2	2	2	2

