



AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Sustainable Agriculture Practices							
Course Code		TB112		Course Level		First Cycle (Bachelor's Degree)			
ECTS Credit	2	Workload	50 (<i>Hours</i>)	Theory	2	Practice	0	Laboratory	0
Objectives of the Course		Agro-Technique use in Sustainable Agriculture for high yield and product quality in accordance with the safety of the environmental balance							
Course Content		Acquisition of sustainability awareness in agriculture by preserving the soil-plant and environment balance together with the octopus systems. Points to note in the octopus systems, ensuring sustainability in agricultu							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Discussion, Case Study					
Name of Lecturer(s)		Prof. Osman EREKUL							

Assessment Methods and Criteria

Method	Quantity	Percentage (%)
Midterm Examination	1	40
Final Examination	1	70

Recommended or Required Reading

1	Sustainable Agriculture, Second Edition, J. Mason, 2003, 209 p
2	Ökologischer Landbau, Grundwissen für die Praxis, Hermann a. Plakolm, 1991, 428 p.
3	Sürdürülebilir Tarım konusunda yapılmış yabancı dilde yayınlar

Week	Weekly Detailed Course Contents	
1	Theoretical	Characterization of sustainable agriculture, introduction and comparison with other agricultural systems
2	Theoretical	Sustainable concepts in agriculture
3	Theoretical	Fertilization in sustainable agriculture
4	Theoretical	Crop rotation in sustainable agriculture
5	Theoretical	Soil tillage in sustainable agriculture
6	Theoretical	Irrigation in sustainable agriculture
7	Theoretical	Relations between soil fertility and sustainable agriculture
8	Intermediate Exam	Midterm exam
9	Theoretical	Developing of organic matter in sustainable agricultural systems
10	Theoretical	Managing plants , crops and pastures
11	Theoretical	Soil fertility - product physiology – yield and quality interrelationships
12	Theoretical	Improve of the yield of some culture plants in the frame of sustainable agriculture uses
13	Theoretical	Improve of the product quality of some culture plants in the frame of sustainable agriculture
14	Theoretical	lesson
15	Theoretical	Presentation of assignments
16	Final Exam	Final exam

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	1	1	28
Midterm Examination	1	8	2	10
Final Examination	1	10	2	12
Total Workload (Hours)				50
[Total Workload (Hours) / 25*] = ECTS				2

*25 hour workload is accepted as 1 ECTS



Learning Outcomes

1	Relationship between yield and soil in sustainable agriculture
2	Fertilization, irrigation, soil cultivation and crop rotation
3	Improve productivity in sustainable agriculture
4	Improve product quality in sustainable agriculture
5	Evaluation of the relationship between yield and quality in sustainable agriculture

Programme Outcomes (Horticulture)

1	Ability to examine agricultural problems under the light of basic science, mathematics, and agriculture knowledge
2	Ability to plan and apply in different agricultural systems in horticultural crop plants
3	To constitute and realize breeding programmes according to market demands
4	Ability to propagate any kinds of stock materials in horticultural crop plants
5	Ability of transfer of modern technologies to production
6	Ability to have a consciousness of quality in production, storage, and evaluation in horticultural crop plants (To measure, evaluate, and manage different quality parameters)
7	To think analytically of protecting, providing transfer to future, and having responsibility to environment of all plant materials belong to horticultural crop plants area
8	Ability to search, think analytically, reach to knowledge, and obtain solution for solving of agricultural problems (Project, homework, thesis, summer training)
9	Ability to be aware of agricultural problems, to follow them, and to communicate own ideas of these subjects by verbal and written ways (Turkish, social course)
10	To be able to perform in a teamwork
11	Ability to work independently, give decision, and Express own thoughts by occupational-ethic values verbal and written ways in horticultural crop plants
12	Ability to think creatively, innovatively, and analytically, to comprehend the need of lifelong learning, be a part of a related subjects in a web of communication, and to develop by social means

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

	L1	L2	L3	L4	L5
P1	5	5	5	5	5
P2	5	5	5	5	5
P7	5	5	5	5	5
P8	5	5	5	5	5

