



AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Plant Nutrition in the Organic Agriculture							
Course Code		ZTO610		Course Level		Third Cycle (Doctorate Degree)			
ECTS Credit	7	Workload	175 (<i>Hours</i>)	Theory	2	Practice	0	Laboratory	0
Objectives of the Course		Principles of growing techniques in organic farming, the differences from other agriculture branches, situation of organic farming in our country and the world, growing techniques (site selection, soil cultivation, increasing of soil productivity, conservation of soil productivity). Organic materials used in organic farming and food resources (plant-waste, green fertilizers, microorganisms, compost preparation), Determination of organic material doses and types that used in organic farming.							
Course Content		The use of organic fertilizers and organic residues. The assesment according to organic agriculture principes.							
Work Placement									
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Experiment, Demonstration, Discussion, Case Study, Individual Study, Problem Solving					
Name of Lecturer(s)									

Assessment Methods and Criteria

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

Recommended or Required Reading

1	Karl Schwenke 1991. Successful small-scale farming : an organic approach ISBN: 978-0-88266-642-6- ISBN-10: 0-88266-642-8
2	Sir Albert Howard ; with a new introduction by Wendell Berry, 2007 The soil and health : a study of organic agriculture ISBN: 978-0-8131-9171-3
3	Fred Magdoff, Ray R. Weil 2004. Soil organic matter in sustainable agriculture ISBN: 978-0-8493-1294-6
4	www.ekogubre.com , www.ntvmsnbc.com/news/336624.asp , www.organikturkiye.org
5	Kacar, B., Katkat, V., 2008. Gübreler ve Gübreleme Nobel Yayıncılık

Week	Weekly Detailed Course Contents	
1	Theoretical	Introduction lesson, the concept of organic farming, distribution of assignments
2	Theoretical	Principles of Organic agriculture with the cultivation, different from other branches of agriculture, organic farming in our country and in the world
3	Theoretical	Which Organic materials can be used in organic agriculture
4	Theoretical	Using the organic materials in organic agriculture and material content
5	Theoretical	How should be organic materials better to quality?
6	Theoretical	Selection of organic fertilizer according to plant nutrition
7	Theoretical	Nutrition and quality in organic agriculture
8	Intermediate Exam	Midterm Exam
9	Theoretical	Organic agriculture in Vegetables and nutrition
10	Theoretical	Comparison for organic fertilizers
11	Theoretical	Organic agriculture in Vegetables and nutrition
12	Theoretical	Organic agriculture in Fruits and nutrition
13	Theoretical	Organic agriculture and nutrition in Field crops
14	Theoretical	What new approaches should be?
15	Theoretical	Evaluation and Discussion
16	Final Exam	Final Exam

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	2	28
Term Project	1	0	25	25



Reading	8	0	4	32
Midterm Examination	1	0	40	40
Final Examination	1	0	50	50
Total Workload (Hours)				175
[Total Workload (Hours) / 25*] = ECTS				7
*25 hour workload is accepted as 1 ECTS				

Learning Outcomes

1	Student knows organic agriculture
2	Student knows the basic principles of plant nutrition on organic agriculture.
3	Student knows the use of organic fertilizers and organic residues in organic agriculture.
4	Student knows the sustainability of soil fertility in organic agriculture
5	Student solve the problems of plant nutrition in organic agriculture

Programme Outcomes (Soil Doctorate)

1	To be able to apply the theoretical information achieved during the graduate study
2	To be able to collect data by scientific means, to evaluate and interpret
3	To be able to update himself continuously
4	To be able to assess the convenient analytical methods during the process of the scientific study
5	To be able to put forth solutions to soil use and plant development

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	3	3	4	4	3
P3	3	4	4	4	2
P4	3	2	5	5	2
P5	3	2	4	5	2

