

#### AYDIN ADNAN MENDERES UNIVERSITY GRADUATE SCHOOL OF NATURAL AND APPLIED SCIENCES FIELD CROPS FIELD CROPS FIELD CROPS MASTER COURSE INFORMATION FORM

Course Title Organic Fertilizers And Techniques Of Land App				and Applic	ation			
Course Code	ZTO511		Couse Level		Second Cycle (Master's Degree)			
ECTS Credit 7	Workload	175 <i>(Hours)</i>	Theory	3	Practice	0	Laboratory	0
Objectives of the Course Animal and organic ma agriculture.		ant originated res. Using of r	organic mate natural organi	erials. Deco c deposit i	omposition me n agriculture (t	thods (of there torf and moss)	e materials) and . Principles of ed	values as cologic
Course Content	Inform the students about the use of various liquid and solid waste as a soil conditioner.							
Work Placement								
Planned Learning Activities and Teaching Methods		Explanation Study, Probl	(Presentat em Solving	tion), Experime g	ent, Discussior	n, Case Study, I	ndividual	
Name of Lecturer(s)								

#### **Assessment Methods and Criteria**

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

### **Recommended or Required Reading**

1	Kacar, B. 1982. Gübreler ve Gübrele	me Tekniği. Gübre Fabrikaları T.A.Ş Yayınları No:1 Ankara.
2	Kacar, B. Ve Katkat, A.V., 1999. Güb	reler Ve Gübreleme Tekniği.VİPAŞ A.Ş Bursa.
3	Aydeniz, A., 1992. Gübreler ve Güt	preleme
4	Web Sites	

Week	Weekly Detailed Cours	se Contents				
1	Theoretical	Fundamentals of organic fertilization				
2	Theoretical	Manure fertilizer				
3	Theoretical	Farmyard manure				
4	Theoretical	Poultry manure				
5	Theoretical	Green manuring				
6	Theoretical	Compost and Other organic residues				
7	Theoretical	Effects of organic fertilizer on physical of soil properties				
8	Intermediate Exam	Midterm Exam				
9	Theoretical	Effects of organic fertilizer on organic matter contents of soil				
10	Theoretical	Effects of organic fertilizer on chemical soil properties				
11	Theoretical	Nitrogen, Phosphorus vs. contents of soil				
12	Theoretical	Effects of organic fertilizer on Heavy material of contents				
13	Theoretical	Economic and social dimensions of organic material using				
14	Theoretical	Tea factory waste				
15	Theoretical	Presentations of Homework				
16	Final Exam	FİNAL EXAM				

#### **Workload Calculation**

Activity	Quantity	Quantity Preparation		Total Workload
Lecture - Theory	14	0	2	28
Lecture - Practice	14	0	2	28
Assignment	1	0	40	40
Term Project	1	0	35	35
Midterm Examination	1	0	14	14



				Course information i onn			
Final Examination	1	0	30	30			
Total Workload (Hours)				175			
[Total Workload (Hours) / 25*] = ECTS				7			
*25 hour workload is accepted as 1 ECTS							

Loarning	Outcomos
Learning	Outcomes

Lean	ing Outcomes
1	To be able to comprehend the municipal and industrial liquid and solid wastes
2	To be able to comprehend the physical, chemical, productivity and morphological properties of wastes
3	To be able to explain which features of soil can be improved and how it can be improved
4	To be able to explain how to use any kind of household and industrial waste to improve soil conditions
5	To be able to apply these materials necessary dose in territories to improve land and soil conditions

## Programme Outcomes (Field Crops Master)

1	To be able to improve and deepen the level of expertise in field crops on the basis of the departments licenses qualifications.
2	To be able to recognize the subjects related to field crops, to be able to solve these and make interpretation.
3	To be able to have the skills of acting independently, to have power to decide and to create.
4	To be able to work in teams between departments
5	To be able to give briefing about latest information of Field Crops in written, oral and visual ways.
6	To be able to take responsibility for developing the new approaches and to formulate a solution facing unforeseen complex situations of applications,
7	To be able to defend the original opinions in both Turkish and in foreign languages by using these languages and communicating effectively.
8	To be able to contribute to science by producing knowledge for the aim of improving quality, efficiency and sustainability
9	To be able to apply breeding methods in order to improve new varieties for Field Crops.
10	To be able to maintain and select the appropriate statistical methods within the framework of the study, evaluation of scientific ethics; to convert the results into a report/dissertation and to offer them by producing scientific publications.

# 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	4	4	4	4	4
P2	4	4	4	4	4
P3	4	4	4	4	4
P4	4	4	4	4	4
P5	4	4	4	4	4
P6	4	4	4	4	4
P7	4	4	4	4	4
P8	4	4	4	4	4
P9	4	4	4	4	4
P10	4	4	4	4	4

