



AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Application Technique							
Course Code		ZBK504		Course Level		Second Cycle (Master's Degree)			
ECTS Credit	8	Workload	196 (<i>Hours</i>)	Theory	2	Practice	2	Laboratory	0
Objectives of the Course		Giving the basic information of pesticides and teaching pesticide application techniques based on the new technological improvment							
Course Content		Usage of pesticide in Turkey, pesticide equipment and their properties, chemigation, store, house, seed treatment and aerial pesticide application and new developments on pesticide application technique							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Demonstration, Discussion, Case Study, Individual Study					
Name of Lecturer(s)		Prof. İbrahim GENÇSOYLU							

Assessment Methods and Criteria

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

Recommended or Required Reading

1	Mathews, G.A., E.C. Hislop, 1993.Application Technology for Crop protection. 357p.
2	Anonymous, 1996. Zirai Mücadele Standart İlaç Deneme Metodları (Cilt 1-4) T.C. Tarım ve Köyişl Bak. Tarımsal araştırmalar Gen. MÜd. Ankara.
3	Ege Üniv. Fen Bil. Enst. İlaçlama Tekniği Ders Notları.
4	Öncüler, C., 1996. Tarımsal Zararlılarla Savaş Yöntemleri ve İlaçları. Ege Üniversitesi Basımevi, 333 s + xxx s.
5	Anonymous, 2004. Manual for Field Trials in Crop Protection, Syngenta. 444p.

Week	Weekly Detailed Course Contents	
1	Theoretical	Introduction to application technology
2	Theoretical	Structure of pesticide, formulation and their property, doses in chemical control, tolerance, phytotoxicity
3	Theoretical	Mixing the pesticides, precautions to avoid harmful effects of pesticides on humans and environment
4	Theoretical	Pulverizator and thier characteristics
5	Theoretical	Calibration
6	Theoretical	Standard pesticides examination methods
8	Theoretical	Applicaion technology in field production, greenhouse and cropped areas
9	Theoretical	Application of pesticides using drip irrigation
10	Theoretical	Application technology using aircraft
11	Theoretical	Application technology for storehouses
12	Theoretical	Applicaion tecnology for seed
13	Theoretical	Application technology for biological materials
14	Theoretical	Drift of pesticides and measuring method
15	Theoretical	New developments in applicaiton technology
16	Final Exam	Final exam

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	2	2	56
Lecture - Practice	14	3	2	70



Assignment	10	3	4	70
Total Workload (Hours)				196
[Total Workload (Hours) / 25*] = ECTS				8
*25 hour workload is accepted as 1 ECTS				

Learning Outcomes

1	to be able to find out some concepts regarding pesticide application.
2	to be able to acquire the pesticides application techniques in various agricultural fields.
3	
4	
5	

Programme Outcomes (Plant Protection Master)

1	To develop knowledge and abilities that gained during undergraduate education
2	To gain ability to search and pursue current literature
3	To gain ability to plan and write projects that help solving problems in field of study.
4	To gain ability to conduct research, analyze data, evaluate research results scientifically and prepare reports and thesis writing.
5	Students will be able to learn and apply the laboratory test and analysis methods
6	To recognize occupational and ethical responsibility

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	4	5
P2	4	4	5	4	5
P3	5	5	5	5	5
P4	5	5	4	4	5
P5	5	5	5	5	4
P6	4	5	4	4	5

