



AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Biotechnique Methods in Agricultural Management							
Course Code		ZBK603		Course Level		Third Cycle (Doctorate Degree)			
ECTS Credit	7	Workload	176 (<i>Hours</i>)	Theory	3	Practice	0	Laboratory	0
Objectives of the Course		The course cover the use of biotechnique methods in managment programs against the pests							
Course Content		About the insect behavior and pheromone, repellents, juvenil hormon analogs, oviposition deterrents and praticies in the field and labrotory							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Demonstration, Discussion, Project Based Study					
Name of Lecturer(s)		Prof. Hüseyin BAŞPINAR							

Assessment Methods and Criteria

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

Recommended or Required Reading

1	Pesticides and managments against pests in Agriculture, Cezmi Öncüer, ADÜ Ziraat Fakültesi, 2004. 424s
2	Entomology and Pest Management, L. P. Pedigo, Iowa State University, Macmillan Publishing Company, 1989 646p.
3	Web Sites related to IPM

Week	Weekly Detailed Course Contents	
1	Theoretical	The place of insect growth regulators in pest management
2	Theoretical	Introduction to the Biotechnology methods
3	Theoretical	The importance of Biotechnology methods in pest management
4	Theoretical	The use of pheromon in pest management in worldwide and Turkey
5	Theoretical	Pheromone and insect behavior
6	Theoretical	Ovipostion detterrent
7	Intermediate Exam	Mid-Term exam
8	Theoretical	Insect repellents
9	Theoretical	Insect repellents-contained
10	Theoretical	Juvenil Hormon Analogs
11	Theoretical	Juvenil Hormon Analogs-contained
12	Theoretical	Antifeedent
13	Theoretical	Insect steril method
14	Theoretical	Praticies for Biotechnology methods 1
15	Theoretical	Praticies for Biotechnology methods 2
16	Final Exam	Final exam

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	2	2	56
Assignment	1	25	1	26
Midterm Examination	1	44	1	45
Final Examination	1	48	1	49
Total Workload (Hours)				176
[Total Workload (Hours) / 25*] = ECTS				7

*25 hour workload is accepted as 1 ECTS



Learning Outcomes

1	
2	
3	
4	
5	

Programme Outcomes (*Plant Protection Doctorate*)

1	Students improve their knowledge and skill previously gained during first cycle and second cycle programs and become a specialist their own discipline
2	Students gain knowledge and experience for using new techniques and equipments in their own discipline.
3	Students gain ability to plan and conduct scientific projects in their own discipline by using current knowledge and techniques, and to collect and analyze data and make inference on the results .
4	Students gain ability to write scientific articles and prepare them for publications and to make oral or poster presentations in scientific meetings.
5	Students gain ability to review scientific articles and projects relevant to their own discipline.
6	Students gain experiences how to get effective position in national and international projects.
7	Students gain experience for participating in and organizing scientific meetings.

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	5	4	3	5
P2	5	4	4	5	4
P3	4	5	4	4	5
P4	4	5	4	3	5
P5	5	4	5	4	4
P6	4	5	4	3	4
P7	4	4	5	4	4

