

## AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Plant Protection								
Course Code		BK210		Couse Level		First Cycle (Bachelor's Degree)				
ECTS Credit	4	Workload	100 (Hours)	Theory		2 Practice 2 Laboratory			0	
Objectives of the Course							knowledge abo		eases, pests and	weeds,
Course Content		information to Arthropoda (A agricultural pe plant disease, cycle, causal o	identify the agrachnida, Insenses. The second the symptom organisms) ar	gricultura ecta) phyl ond part i s of disea d plant d	I pests be lum's and ncludes I ases, abid isease m	elongi I theii knowl otic di anag	ing to Nemather biology and d edge on signifities seases, biotic	elminthes, An amage symp cance of plar diseases (dis part informati	following topics: nnelida, Mollusca, otoms, control me nt pathology, the sease triangle, dis ion on weeds and riod.	thods for concept of sease
Work Placement N/		N/A								
Planned Learning Activities and Teaching Methods			Explana	ition (Pre	on (Presentation), Demonstration, Discussion					
Name of Lecturer(s)  Assoc. Prof. Ümit ÖZYILMA YORGANCI, Prof. Ayhan Y ÇAKMAK, Prof. İbrahim GE		LDIZ, Pro	of. Cafer	TUR	GUT, Prof. Hüs					

Assessment Methods and Criteria						
Method		Quantity	Percentage (%)			
Midterm Examination		2	40			
Final Examination		1	70			

Reco	mmended or Required Reading
1	Agrios, G.N., 2005. Plant pathology. 5 th edition, Elsevier Academic Press, U.S 948 pp.
2	Döken, M.T., Demirci, E., Zengin, H., 2011. Fitopatoloji. Atatürk Üniversitesi, Ziraat Fak. Ofset Tesisi, Erzurum, 8. Baskı, 258 sayfa.
3	Kansu, A., 1982. Genel Entomoloji. Üçüncü Baskı (Gözden geçirilmiş ve genişletilmiş). Ankara Basım Sanayi A.Ş. 326s.

Week	Weekly Detailed Course Contents					
1	Theoretical	Harmful and beneficial concepts in Plant Protection, General characterization, biology and damage of Nemathelminthes Phylum				
2	Theoretical	General features, biology and damage of Annelida, Mollusca Phylum				
3	Theoretical	General characterization of the Phylum Arthropoda, General features, biology and damage of the subclass Acari				
4	Theoretical	General features of the class Insecta, their damages and beneficials				
5	Theoretical	Characteristics of the external structure of insects				
6	Theoretical	Internal structure and functioning of insects				
7	Theoretical	Control measurements used for agricultural pest				
8	Theoretical	Control measurements used for agricultural pest				
9	Theoretical	Disease concept and symptomatology				
10	Theoretical	Abiotic diseases				
11	Theoretical	Biotic diseases and disease cycle				
12	Theoretical	Plant pathogenic viruses, viroids, bacteria and mollicutes				
13	Theoretical	Plant pathogenic fungi				
14	Theoretical	Disease management				
15	Theoretical	Weeds , parasitic plants and their management				
16	Final Exam	Final Exam				

Workload Calculation							
Activity	Quantity	Preparation	Duration	Total Workload			
Lecture - Theory	14	0	2	28			
Lecture - Practice	14	0	2	28			



Midterm Examination	1	17	1	18		
Final Examination	1	25	1	26		
Total Workload (Hours)						
		[Total Workload (	Hours) / 25*] = <b>ECTS</b>	4		
*25 hour workload is accepted as 1 ECTS						

Learni	ing Outcomes	
1		
2		
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## Programme Outcomes (Agricultural Biotechnology) 1 To be able to develop skills in identifying, modeling and solving problems in agricultural biotechnology To be able to synthesize life and engineering sciences for the effective resource planning of agricultural biotechnology applications

- To be able to interpret about living organisms structure, metabolic and physiological processes in order to propose biotechnological solutions to the agricultural problems
- 4 To be able to analyze genomic, metabolomic and proteomic information via bioinformatic tools.
- 5 To have the ability to analyze collected data and interpret the results.
- To have the ability of individual working ability and to make independent decisions, to work in inter-disciplinary and interdisciplinary teamwork, to communicate by expressing their ideas orally and in writing, clearly and concisely
- 7 To have the awareness of professional liabilities and ethics
- 8 To be able to follow current national and international problems

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

	L1	L2	L3	L4	L5	L6	L7	L8
P1	2	1	1	1	1	1	1	1
P2	2	1	2	2	2	2	2	2
P3	2	1	2	2	2	2	2	2
P4	1	1	1	1	1	1	1	1
P5	2	1	2	2	3	3	3	3
P6	2	1	2	2	3	3	3	3
P7	2	1	2	2	3	3	3	3
P8	2	1	2	2	3	3	3	3

