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	The aim of this introductory course is to gain basic knowledge about plant diseases, pests and weeds, their damages and management of plant diseases, pests and weeds.								
Course Content	The first seven weeks of this course which related with plant pests covers the following topics: General information to identify the agricultural pests belonging to Nemathelminthes, Annelida, Mollusca, Arthropoda (Arachnida, Insecta) phylum's and their biology and damage symptoms, control methods for agricultural pests. The second part includes knowledge on significance of plant pathology, the concept of plant disease, the symptoms of diseases, abiotic diseases, biotic diseases (disease triangle, disease cycle, causal organisms) and plant disease management. In this part information on weeds and their control is also given. The laboratory studies are provided during the course period.								
Work Placement	N/A								
Planned Learning Activities and Teaching Methods	Explanation (Presentation), Demonstration, Discussion								
Name of Lecturer(s)	Assoc. Prof. Ümit ÖZYILMAZ, Assoc. Prof. Zahide ÖZDEMİR, Lec. Melis YALÇIN, Lec. Sevdiye YORGANCI, Prof. Ayhan YILDIZ, Prof. Cafer TURGUT, Prof. Hüseyin BAŞPINAR, Prof. İbrahim ÇAKMAK, Prof. İbrahim GENÇSOYLU, Prof. Ömer ERİNCİK								

Assessment Methods and Criteria

Method	Quantity	Percentage (%)
Midterm Examination	2	40
Final Examination	1	70

Recommended 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)	100
			[Total Workload (Hours) / 25*] = **ECTS**	4
**25 hour workload is accepted as 1 ECTS*				

Learning Outcomes	
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