



## AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Acaricides And Insecticides And Their Application Methods							
Course Code		VPR633		Course Level		Third Cycle (Doctorate Degree)			
ECTS Credit	3	Workload	75 (Hours)	Theory	2	Practice	2	Laboratory	0
Objectives of the Course		The objective of this course is to teach names, active ingredients, mode of action, doses, methods of application, advantages and disadvantages of acaricides and insecticides used against acars and insects of domestic animals and animal houses. Also, to give information about the impacts on human, animal and environmental system.							
Course Content		Harmful effects of acars and insects of domestic animals and animal houses. Pharmacological properties of acaricides and insecticides. Pinpoints of acaricide and insecticide applications, application methods, advantages and disadvantages of acaricides and insecticides. The impacts of acaricide and insecticide applications on human and animal health and environmental system.							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Experiment, Demonstration, Discussion, Case Study, Project Based Study, Individual Study, Problem Solving					
Name of Lecturer(s)									

### Assessment Methods and Criteria

Method	Quantity	Percentage (%)
Midterm Examination	1	5
Final Examination	1	60
Quiz	2	10
Assignment	5	5
Term Assignment	1	10
Laboratory	1	10

### Recommended or Required Reading

1	TÜZER, E., TOPARLAK, M., GÖKSU, K. (1997) Veteriner Entomoloji. İstanbul Üniversitesi Veteriner Fakültesi Parazitoloji ABD., İstanbul.
2	EREN, H., YUKARI, B. B. (2000).
3	WALL, R., D. SHEARER, (1997). Veterinary Entomology. Chapman and Hall, Great Britain.
4	. BURGU, A., KARAER, Z. (2005). Parazit Hastalıklarında Tedavi. Türkiye Parazitoloji Derneği, Yayın No:19.
5	Kaya S ve ark., (2009) Veteriner Farmakoloji, Medisan Yayınevi, Ankara
6	Kaya S ve ark., (2002) Veteriner Toksikoloji, Medisan Yayınevi, Ankara
7	Kaya S ve ark., (1998) Çevre Bilimi ve Çevre Toksikolojisi, Medisan Yayınevi, Ankara

Week	Weekly Detailed Course Contents	
1	Theoretical	Acars of domestic animals and animal houses and harmful effects of acars
	Practice	Morphological features of acars of domestic animals and animal houses
2	Theoretical	Insects of domestic animals and animal houses and harmful effects of insects
	Practice	Morphological features of insects of domestic animals and animal houses
3	Theoretical	Description, names, active ingredients, mode of action, doses of acaracides and insecticides
	Practice	Identification of acars and insects of domestic animals and animal houses
4	Theoretical	Obligatory requirements of acaracide and insecticides, application methods, advantages and disadvantages of acaracides and insecticides
	Practice	Properties of acaracides and insecticides
5	Theoretical	Classification and mode of action of insecticides
	Practice	Application forms of acaracides and insecticides
6	Theoretical	Classification and mode of action of insecticides
	Practice	Application forms of acaracides and insecticides
7	Theoretical	Inorganik, microbial insecticides and insecticides of vegetative origins
	Practice	Acaracide types and routes of administration used in domestic animals
8	Intermediate Exam	Resistance to acaracides and insecticides (Midterm exam)



9	Theoretical	Synthetic organic insecticides (Organochlorine-organic phosphorus insecticides)
	Practice	Inorganic, microbial and plant derived insecticide types and routes of administration used in domestic animals
10	Theoretical	Synthetic organic insecticides (carbamate insecticides, insektisitler, pyrethroids and formamidins)
	Practice	Synthetic organic insecticides types and routes of administration used in domestic animals
11	Theoretical	Synthetic organic insecticides (organic sulfur and thiocyanate compounds)
	Practice	Application methods of acaracides and insecticides in animal houses
12	Practice	Sampling methods used for analysing drug resistance against acaracides and insecticides
13	Practice	Sampling methods used to analyse drug residues in animals
14	Practice	Sampling methods used to analyse drug residues in animal houses
15	Final Exam	Final exam
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
Assignment	2	0	1	2
Term Project	1	0	1	1
Laboratory	1	0	1	1
Reading	2	1	1	4
Quiz	1	1	1	2
Midterm Examination	1	5	1	6
Final Examination	1	2	1	3
Total Workload (Hours)				75
[Total Workload (Hours) / 25*] = <b>ECTS</b>				3

\*25 hour workload is accepted as 1 ECTS

### Learning Outcomes

1	Having knowledge on acaracides/insecticides used on domestic animals and in houses
2	Learning the criterias those must me considered while selecting drugs
3	Having knowledge on the biological safety on drugs
4	Having knowledge on the drug doses of acaracides/insecticides used on domestic animals
5	Having knowledge on the drug doses of acaracides/insecticides used in houses

### Programme Outcomes (Parasitology (Veterinary Medicine) Doctorate)

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### 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	5	4	4
P2	5	5	4	4	4
P3	5	5	5	4	4
P4	5	4	4	3	3



P5	5	5	2	3	3
P6	5	5	3	3	3
P7	3	2	2	2	2
P8	4	4	4	2	2
P9	3	3	5	2	2
P10	3	3	5	3	3
P11	3	3	4	2	2
P12	2	2	5	2	2

