AYDIN ADNAN MENDERES UNIVERSITY
COURSE INFORMATION FORM

Course Title	Nutrition and Parasitism in Animals								
Course Code	VHB650		Couse Level		Third Cycle (Doctorate Degree)				
ECTS Credit	6	Workload	147 *(Hours)*	Theory	1	Practice	0	Laboratory	0
Objectives of the Course	Educate of masters for determination of parasite diseases of animals which affecting of their productivity and present correct solutions for healing process.								
Course Content	Relation between nutrition and parasitism, effects of parasite on animal health and productivity, protection ways from parasite diseases, critic points for nutrition of animals which infected with parasites and improvements of rations, frequency of parasite disease in Turkey and its effects on livestock industry.								
Work Placement	N/A								
Planned Learning Activities and Teaching Methods	Explanation (Presentation), Discussion, Individual Study								
Name of Lecturer(s)									

Assessment Methods and Criteria		
Method	Quantity	Percentage (%)
Midterm Examination	1	30
Final Examination	1	60
Assignment	1	10

Recommended or Required Reading	
1	Tisch, D. (2005) Animal Feeds, Feeding and Nutrition and Ration Evaluation, Thomson Learning. Tisch, D. (2005) Animal Feeds, Feeding and Nutrition and Ration Evaluation, Thomson Learning.
2	Ergül, M. (1988). Yemler Bilgisi ve Teknolojisi, Ege Üniversitesi Basımevi, İzmir. Ergül, M. (1988). Yemler Bilgisi ve Teknolojisi, Ege Üniversitesi Basımevi, İzmir.

Week	Weekly Detailed Course Contents	
1	Theoretical	Relation of nutrition and parasitism, loosing of productivity health problems which caused from these diseases
2	Theoretical	Effects of processing of feeds before feeding on parasite diseases
3	Theoretical	Effects of storage conditions of feeds on parasite diseases
4	Theoretical	Effects of storage conditions of feeds on parasite diseases
5	Theoretical	Medical application of meadow, effect of meadow management on frequency of parasite diseases
6	Theoretical	Frequency of parasite diseases of livestock animals in Turkey and evaluation of relation with nutrition and possible adverse effects of these diseases on economy of country
7	Theoretical	Reason and protection of parasite diseases which related with nutrition for ruminant
8	Intermediate Exam	Midterm exam
9	Theoretical	Reason and protection of parasite diseases which related with nutrition for poultry
10	Theoretical	Alterations of feedlot and other performance related with parasite infections
11	Theoretical	Effects of nutrient in ration on parasitism
12	Theoretical	Some ration applications for nutrition of infected animals
13	Theoretical	Determination of infected animals in local farms, evaluation of protection of them which are related with nutrition, sharing of suggestion about the healing process
14	Theoretical	Animal nutrition in parasite diseases
15	Theoretical	Presentation of assignment and repeating of issues
16	Final Exam	Final exam

Workload Calculation				
Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	1	14
Assignment	5	0	5	25
Reading	14	0	6	84
Practice Examination	1	12	2	14

Midterm Examination	1	8	2	10
			Total Workload (Hours)	147
			[Total Workload (Hours) / 25*] = **ECTS**	6
**25 hour workload is accepted as 1 ECTS*				

Learning Outcomes	
1	To have sufficient knowledge about nutrition and parasitism.
2	To have sufficient knowledge about the protection and healing process ways for company.
3	To have sufficient knowledge about nutrition of infected animals and inform to farmers effectively.
4	Effects of storage conditions of feeds on parasite diseases
5	Effects of nutrient in ration on parasitism

Programme Outcomes *(Animal Nutrition and Nutritional Diseases (Veterinary Medicine) Doctorate)*	
1	Knows information about importance of forage and concentrates in basic animal nutrition for protecting animal health in scientific and technological animal production.
2	Have ability to formulate economical and full-satisfactory rations with considering product quality and health. May inform animal producers about practical/appropriate feeding methods.
3	Can adapt to recent scientific and technological developments in animal nutrition easier and produce proper strategies against to problems on this field.
4	Knows the properties of feeds used in proper and economical rations formulated due to needs of animal species.
5	Can give information to animal producers about properties of common feedstuffs used in Turkey
6	Knows organoleptic, physical diagnostic and chemical analysis methods used in determining feed quality.
7	Have information about processing and the effects of processing on animal yield.
8	Can identify the term “feed hygiene” and have information about the usage availability of contaminated feedstuffs.
9	Can apply the informations related to feed additives in a proper way.
10	Understands the results and factors decreasing production.
11	Knows the nutrition related diseases and their solution recommendations which may be applied in feeding or formulating feeds for preventing nutiritonal diseases.
12	Knows about the availability level of feedstuffs after consumed and can perform digestibility trials.
13	Knows the definition of stress, stress sources and effects on health and production level of animals.
14	Have sufficient information on classification, activation and fermentation of rumen microorganisms plus carbohydrate, lipid and protein digestibility.
15	Knows the factors effecting feed intake and negative factors in feedstuffs and preventation of them.
16	Comments on feeding behaviours and related yield parameters.
17	Have information on basic terms related to feed legislation, feeds used in animal nutrition and their legal regulations.
18	Have information about biotechnological research conducted on feeds and animal nutrition.
19	Knows the effects of nutrition on food quality, fertility, immunity and parasite enfestations.

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

	L1	L2	L3
P19	5	5	5