



AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Nutrition of Poultry							
Course Code		VHB604		Course Level		Third Cycle (Doctorate Degree)			
ECTS Credit	10	Workload	254 (<i>Hours</i>)	Theory	2	Practice	2	Laboratory	0
Objectives of the Course		Teaching importance of proper feeding of breeder, commercial layers and broilers in different feeding periods. Demonstrating role of nutrition on quality of animal product. Nutritional diseases of poultry.							
Course Content		Learning diseases of poultry occurred according to the nutrition , Differing diseases occurred according to the nutrition, Application of correct nutritional programme							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Discussion, Individual Study, Problem Solving					
Name of Lecturer(s)									

Assessment Methods and Criteria

Method	Quantity	Percentage (%)
Midterm Examination	1	28
Final Examination	1	60
Assignment	10	12

Recommended or Required Reading

1	Şenköylü, N. (2001) Modern Tavuk Üretimi, Anadolu Matbaası, Tekirdağ.
2	Heuser, G.F. (2003) Feding poultry, Norton Creek Press, Oregon, ABD.
3	Cole, D.J.A., Haresign, W. (1989) Recent development in Poultry Nutrition, Anchor Pres, England.
4	North, M.O. (1984) Commercial Chickhen Production Manual, The Avi Publishing, ABD.
5	Daghir, N.J. (1995) Poultry Production in Hot Climates, CAB Internatioal Pres, England.

Week	Weekly Detailed Course Contents	
1	Theoretical	Poultry production in Turkey and World
	Practice	Reviewing of online information about poultry production
2	Theoretical	Nutritional properties of poultry. Differences of digestive system between poultry and other species.
	Practice	Reviewing of digestive system differences by necroscopic observation.
3	Theoretical	Nutritional requirements of laying hens. Feeds and feeding systems used in laying hen feeding.
	Practice	Investigating nutritional requirements due to different references (NRC and user manuals of poultry companies)
4	Theoretical	Rearing periods of laying hens. Nutrition of chicks and pullets.
	Practice	Demonstrating feeds used in poultry feeding. Determination of quality in poultry feeds.
5	Theoretical	Nutrition in laying period.
	Practice	Visiting laying hen farm.
6	Theoretical	Forced defeathering and feeding after this period.
	Practice	Literature review on a specific subject.
7	Theoretical	Effects of nutrition on egg production and quality of laying hens
	Practice	Demonstrating feeds of poultry and quality of poultry feeds
8	Practice	Observing internal quality of egg
	Intermediate Exam	Midterm exam
9	Theoretical	Feeding of breeders (laying hens and cockerels)
	Practice	Formulating laying hen diet
10	Theoretical	Feeding programs used in broilers. Feeds and feeding systems used in broiler production.
	Practice	Investigating nutritional requirements due to different references (NRC and user manuals of poultry companies)
11	Theoretical	Feeding of broilers according to their growing periods (starter, grower and finisher periods)
	Practice	Visiting broiler farm
12	Theoretical	Role of nutrition on broiler meat production and quality.



12	Practice	Observing different carcass parts of broilers (grill, normal, roaster) in different rearing periods.
13	Theoretical	Feeding of broiler breeders.
	Practice	Literature search on a specific area of subject.
14	Theoretical	Relation between rational feeding and economy in poultry
	Practice	Discussion on updated feedstuffs and their costs and relation with economical production.
15	Theoretical	Nutritional diseases of poultry
	Practice	General evaluation and repetition.
16	Final Exam	Final exam

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	2	28
Lecture - Practice	15	0	2	30
Assignment	10	7	1	80
Reading	14	0	6	84
Midterm Examination	1	12	2	14
Final Examination	1	16	2	18
Total Workload (Hours)				254
[Total Workload (Hours) / 25*] = ECTS				10

*25 hour workload is accepted as 1 ECTS

Learning Outcomes

1	Learning feeding of commercial layers and breeders in different rearing periods
2	Understanding role of nutrition on product quality and quantity.
3	Knowing nutritional diseases of poultry and precautions against diseases
4	Animal theorem and updated use of the fabric both theoretically and practically
5	To know the nutritional diseases that can occur in animals due to insufficient and unbalanced nutrition and to have knowledge and skill to prevent these diseases

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 nutritonal 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 prevention 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
P1	5		
P2	5		
P3	5		
P4	5		
P5	5		
P10		5	5
P11			5
P14		5	
P15		5	
P19		5	

