



AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Nutrition of Turkeys and Ostriches							
Course Code		VHB643		Course Level		Third Cycle (Doctorate Degree)			
ECTS Credit	6	Workload	147 (<i>Hours</i>)	Theory	1	Practice	0	Laboratory	0
Objectives of the Course		Introducing anatomical and physiological characteristics of digestive system in ostrich and turkey. Introducing housing conditions and feeds of ostrich and turkey. Teaching nutritional requirements and breeding methods. Reaching ability of applying gained knowledge in turkey and ostrich feeding. Communication with producers. Correcting mistakes done in ostrich and turkey production. Able to make literature search in this subject. Having knowledge sufficient for establishing own turkey and ostrich farm.							
Course Content		Anatomical and physiological characteristics of digestive system in ostrich and turkey. Nutritional requirements. Feeds used in ostrich and turkey nutrition. Ration formulations according to different productivity periods. Practical and proper feeding systems in ostrich and turkey nutrition.							
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	30
Final Examination	1	60
Assignment	4	10

Recommended or Required Reading

1	Kreibich, A., Sommer, M. (1995) Ostrich Farm Management, Landwirt Schaftsuerlag GmbH, Minster.
2	Kellerns, R.O., Church, D.C. (2002) Livestock Feeds and Feeding, Prentice Hall, New Jersey.
3	McDonald, P., Edwards, R.A., Greenhalgh, J.F.D., Morgan, C.A. (2002) Animal Nutrition, Longman Scientific & Tecnical, England.
4	Pond, W.G., Church, D.C., Pond, K.R., Schoknecht, P.A. (2004) Basic Animal Nutrition and Feeding, John Wiley & Sons, New York.
5	Sauvant, D., Perez, J.M., Tran, G. (2004) Tables of Composition and Nutritional Value of Feed Materials, INRA Editions, Wageningen Academic Publishers.
6	Umucalılar, H.D., Gülşen, N. (2005) Çiftlik Hayvanlarında Beslenme Hastalıkları, SÜ Basımevi, Konya.
7	Tisch, D. (2005) Animal Feeds, Feeding and Nutrition and Ration Evaluation, Thomson Learning.
8	Yavuz, H.M. (2001) Çiftlik Hayvanlarının Beslenmesinde Temel Prensipler, Hilal Yayınevi, İstanbul.

Week	Weekly Detailed Course Contents	
1	Theoretical	Importance of turkey feeding and characteristics of turkey meat.
2	Theoretical	Turkey breeds and their productivity values.
3	Theoretical	Nutritional requirements of turkey.
4	Theoretical	Nutrition of broodstock turkey
5	Theoretical	Intensive turkey production
6	Theoretical	Ration formulation for turkey. Nutritional diseases of turkey.
7	Intermediate Exam	Midterm exam
8	Theoretical	Digestive system of ostrich
9	Theoretical	Nutritional requirements of ostrich.
10	Theoretical	Practical feeding of ostrich.
11	Theoretical	Feeds used in ostrich nutrition.
12	Theoretical	Ration formulation for ostrich.
13	Theoretical	Feeding systems in ostrich nutrition.
14	Theoretical	Feed additives used in ostrich nutrition.



15	Theoretical	Nutritional diseases of ostrich.
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
Midterm Examination	1	8	2	10
Final Examination	1	12	2	14
Total Workload (Hours)				147
[Total Workload (Hours) / 25*] = ECTS				6

*25 hour workload is accepted as 1 ECTS

Learning Outcomes

1	Having knowledge about anatomical and physiological characteristics of digestive system in ostrich and turkey.
2	Knows housing conditions and feeds of ostrich and turkey. Teaching nutritional requirements and breeding methods.
3	Ration formulation for different growing periods. Communication with producers. Correcting mistakes done in ostrich and turkey production.
4	May give information about practical and proper feeding systems in ostrich and turkey nutrition. Have sufficient knowledge for establishing his/her farm.
5	Importance of turkey feeding and characteristics of turkey meat.

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
P1	5	5
P2	5	5
P3	4	3
P4	4	4
P5	4	5
P6	3	3



P7	4	3
P8		3

