



AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Nutrition of Rabbits							
Course Code		VHB645		Course Level		Third Cycle (Doctorate Degree)			
ECTS Credit	6	Workload	147 (Hours)	Theory	1	Practice	0	Laboratory	0
Objectives of the Course		Explanation of anatomy and physiology of digestive system of rabbits. Introducing of feeds and feedlot environments. Explanation of feedlot types and nutrient requirements. To achieve sufficient knowledge about the nutrition of rabbits. To contact with farmers and manage them with this knowledge. To be helpful the farmers about solve of the nutritional problems on field. To achieve ability of establish own farm and management and nutrition of animals in farm.							
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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	4	10

Recommended or Required Reading

1	King, J.O.L. (1971) Rabbits, The UHAW Handbook on the Care and Management of Farm Animals, Churchill Livinstone, Edinburg and London.
2	Lebas, F., Coudert, P., Rouvier, R., Rochambeau, H. de (1986) The Rabbit Husbandry, Health and Production, FAO Animal Production and Health Series, No.21, Rome.
3	Kellerns, R.O., Church, D.C. (2002) Livestock Feeds and Feeding, Prentice Hall, New Jersey.
4	McDonald, P., Edwards, R.A., Greenhalgh, J.F.D., Morgan, C.A. (2002) Animal Nutrition, Longman Scientific & Technical, England.
5	Pond, W.G., Church, D.C., Pond, K.R., Schoknecht, P.A. (2004) Basic Animal Nutrition and Feeding, John Wiley & Sons, New York.
6	Ensminger, M.E., Oldfield, J.E., Heinemann, W.W. (1990) Feeds and Nutrition, Second Edition, The Ensminger Publishing Company, California, USA.
7	Umucalılar, H.D., Gülşen, N. (2005) Çiftlik Hayvanlarında Beslenme Hastalıkları, SÜ Basımevi, Konya.
8	Tisch, D. (2005) Animal Feeds, Feeding and Nutrition and Ration Evaluation, Thomson Learning.
9	Yavuz, H.M. (2001) Çiftlik Hayvanlarının Beslenmesinde Temel Prensipler, Hilal Yayınevi, İstanbul.

Week	Weekly Detailed Course Contents	
1	Theoretical	Importance of rearing of rabbit
2	Theoretical	Characteristics of digestive system of rabbits, and their differences of physiologic (etc., caprophagy) and anatomy
3	Theoretical	Species of rabbits and their production types (etc., meat, whole, hair)
4	Theoretical	Nutrient requirement of rabbits
5	Theoretical	Introducing of feed stuffs which using in rabbit nutrition
6	Theoretical	Nutrition of male and female in dry period
7	Intermediate Exam	Midterm exam
8	Theoretical	Nutrition of females in gestation period
9	Theoretical	Nutrition of females in lactation period
10	Theoretical	Nutrition of newborns



11	Theoretical	Nutrition of infants
12	Theoretical	General principle of nutrition of Angora rabbits and their situation in country. Nutrient requirement of Angora rabbits and ration samples
13	Theoretical	Type of feed form for pregnant rabbits, proportion and amount of carbohydrates
14	Theoretical	Feed additives for rabbit nutrition
15	Theoretical	Nutritional disease of rabbits
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 the anatomy and physiology of digestive system of rabbits, and also have information about the rearing systems and nutrient requirements.
2	To know that principles of the rabbit nutrition and can manage the farmers.
3	Can prepare proper ration for rabbits with different production and health statue. Can inform to farmers about the practical / proper feeding techniques.
4	To have sufficient knowledge for establish own farm.
5	Nutrient requirement of rabbits

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	5	5



P2	5	5	5
P3	4	5	5
P4	4	4	5
P5	3	4	5
P6	3	3	
P7	2		
P8	2		

