



## AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Effects of Nutrition On Quality of Animal Production							
Course Code		VHB531		Course Level		Second Cycle (Master's Degree)			
ECTS Credit	4	Workload	100 ( <i>Hours</i> )	Theory	2	Practice	0	Laboratory	0
Objectives of the Course		Educate to masters who got sufficient knowledge about how promote quality and quantity of animal production with proper nutrition. To make understand of masters about the factors that can effect to present positive correlation with farmers. To establish correct perspective to farmers by promoting of production level and improving of economic standards.							
Course Content		Factors which effect quality of animal production, relationship between nutrition with milk, meat and egg production for ruminants and poultry, relation of nutrition and performance for race horses.							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Discussion, Individual Study					
Name of Lecturer(s)		Prof. Ahmet Gökhan ÖNOL							

### Assessment Methods and Criteria

Method	Quantity	Percentage (%)
Midterm Examination	1	30
Final Examination	1	70

### Recommended or Required Reading

1	Yavuz, H.M. (2001) Çiftlik Hayvanlarının Beslenmesinde Temel Prensipler, Hilal Yayınevi, İstanbul.
2	McDonald, P., Edwards, R.A., Greenhalgh, J.F.D., Morgan, C.A. (2002) Animal Nutrition, Longman Scientific & Technical, England.
3	Kellerns, R.O., Church, D.C. (2002) Livestock Feeds and Feeding, Prentice Hall, New Jersey.
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	Şenköylü N. (2001). Modern Tavuk Üretimi, Anadolu Matbaası, Tekirdağ.
6	Heuser, G.F. (2003) Feeding Poultry, Norton Creek Press, Oregon, ABD.
7	Colo, D.J.A., Haresign, W. (1989) Recent Development in Poultry Nutrition, Anchor Press, İngiltere.
8	North, M.O. (1984). Commercial Chickhen Production Manual, The Avi Publishing, ABD.
9	Daghir, N.J. (1995) Poultry Production in Hot Climates, CAB International Press, İngiltere.

Week	Weekly Detailed Course Contents	
1	Theoretical	Relation of nutrition with quality of animal production and understanding of importance of this for livestock industry
2	Theoretical	Relation of nutrition with quality of animal production and understanding of importance of this for livestock industry
3	Theoretical	Effects of nutrition on milk protein, sources of protein production of milk in animal organism
4	Theoretical	Effect of nutrition on milk fat content. Mechanism of milk fat production for dairy cows
5	Theoretical	Effects of different feed stuffs on milk fat production. Effects of particle size of forage, forage/ concentrate feed ratio, forage quality and protein level of ratio on milk fat production
6	Theoretical	The effect of nutrition on growth.
7	Theoretical	Effects of nutrition with different feed sources on some parameters (etc., protein, fat level, storage life) which related with meat quality (Midterm exam)
8	Theoretical	Effects of nutrition on performance for race horses
9	Theoretical	Comparative of World and Turkey chicken production and consume. Importance of chicken meat for human nutrition
10	Theoretical	Effect of nutrition on fertility.
11	Theoretical	Effects of feed stuffs on chicken meat quality, effects of energy and nutrient content of feed on chick meat production and quality
12	Theoretical	Importance of egg for human nutrition, situation of laying hen industry in Turkey and World.



13	Theoretical	Quality of egg and factors which effecting this quality, effects of feeding type on egg production, egg weight and quality
14	Theoretical	Effects of energy and nutrient content of feed on egg production and quality
15	Final Exam	Final Exam

**Workload Calculation**

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	2	28
Assignment	5	1	1	10
Reading	14	0	3	42
Midterm Examination	1	6	2	8
Final Examination	1	10	2	12
Total Workload (Hours)				100
[Total Workload (Hours) / 25*] = ECTS				4

\*25 hour workload is accepted as 1 ECTS

**Learning Outcomes**

1	Understanding of relation between nutrition and production failure and results.
2	To find the protection ways for this kind of situations.
3	Effect of nutrition on fertility.
4	The effect of nutrition on growth.
5	The effect of nutrition on economy.

**Programme Outcomes (Animal Nutrition and Nutritional Diseases (Veterinary Medicine) Master)**

1	to be able to comprehend information about basic animal nutrition and feeds for protecting animal health, scientific and technological animal production.
2	to be able to formulate economical and full-satisfactory rations with considering product quality and health and inform animal producers about practical/appropriate feeding methods.
3	to be able to apply recent scientific and technological developments in animal nutrition easier and produce proper strategies against to problems on this field.
4	to be able to analyse the properties of feeds used in proper and economical rations formulated due to needs of animal species.
5	to be able to inform animal producers about the common feedstuffs used in animal nutrition
6	to be able to interpret physical, diagnostic and chemical analysis methods used in determining feed quality.
7	to be able to comprehend processing and the effects of processing on animal yield.
8	to be able to identify the term "feed hygiene" and have information about the usage availability of contaminated feedstuffs.
9	to be able to apply the informations related to feed additives in a proper way.
10	to be able to formulate the results and factors decreasing production.
11	to be able to apprehend the nutrition related diseases and their solution recommendations which may be applied in feeding or formulating feeds for preventing nutritonal diseases.

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

	L1	L2
P7	5	5
P10	5	5
P11		5

