



AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Horse Nutrition							
Course Code		VHB530		Couse Level		Second Cycle (Master's Degree)			
ECTS Credit	5	Workload	123 (<i>Hours</i>)	Theory	2	Practice	0	Laboratory	0
Objectives of the Course		Educate of masters who got sufficient knowledge about the horse nutrition with science and theory information. To inform of masters who will work on horse nutrition field about nutrition of horses .							
Course Content		Basic nutrient requirement of horses, critic points for nutrition of different age and physiologic activity, forages and concentrates which using in horse nutrition (characteristics, usage amounts and critic points for use), nutritional diseases of horses.							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Demonstration, Discussion, Individual Study					
Name of Lecturer(s)		Lec. Onur TATLI, Lec. Ömer SEVİM							

Assessment Methods and Criteria

Method	Quantity	Percentage (%)
Midterm Examination	1	28
Final Examination	1	60
Assignment	5	12

Recommended or Required Reading

1	Pagan, J.D. (2000). Advances in Equine Nutrition I, II, III., Nottingham University Pres, Kentucky, ABD.
2	Frape, D. (1986) Equine Nutrition and Feeding, Longman Group, UK
3	Burger, I. (1993) The Waltham Book of Companion Animal Nutrition, Pergamon Press Oxford, England.
4	NRC (2007) Nutrient Requirement of Horses, 6th Edition, The National Acedemy Press, USA.
5	Cheeke, P.R. (1999) Applied Animal Nutrition: Feeds and Feeding, Prentice Hall International, USA.

Week	Weekly Detailed Course Contents	
1	Theoretical	Anatomy and physiology of digestive system in horses, importance of cecum for digestion
2	Theoretical	Determine of nutrient requirement for horses
3	Theoretical	Forages (etc., fresh and hay, conservator feeds) which are using in horse nutrition and importance of forage quality
4	Theoretical	Concentrates (etc., grains, soy bean meal, linseed meal, cotton meal, sunflower meal and other) which are using in horse nutrition
5	Theoretical	Nutrition of foals (0-6 months), importance of colostrum for the health and sport life of foals
6	Theoretical	Nutrition of foals (6-12 months), nutrient requirements, weaning and introducing of feed
7	Theoretical	Nutrition of foals (1-2 years), nutrient requirements, proper forages for this period, samples of rations
8	Intermediate Exam	Midterm exam
9	Theoretical	Nutrition of mares in gestation period (first 6 months of pregnancy), nutrient requirements, proper feed stuffs and samples for ration
10	Theoretical	Nutrition of mares in gestation period (last 3 months of pregnancy), nutrient requirements, proper feed stuffs and samples for ration
11	Theoretical	Nutrition of mares in lactation period and nutrient requirements, ration samples
12	Theoretical	Nutritional diseases
13	Theoretical	Nutrition of race horses, feeding programme for before and after race, give information about the feed additives mostly about junction protection
14	Theoretical	Most common and nutritional related disease for horses and decide to assignment for student
15	Theoretical	Presentation of assignment and repeating of issues

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	2	28



Assignment	5	2	1	15
Reading	14	0	4	56
Midterm Examination	1	8	2	10
Final Examination	1	12	2	14
Total Workload (Hours)				123
[Total Workload (Hours) / 25*] = ECTS				5
*25 hour workload is accepted as 1 ECTS				

Learning Outcomes

1	To get recent information about horse nutrition on theory and practical.
2	To use and practice the knowledge which was given to them about horse nutrition on field properly
3	Nutrition of foals, nutrient requirements.
4	Nutrition of mares, nutrient requirements.
5	Stallion nutrition, nutrient requirements.

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 determinin 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
P1	5	5
P2	5	5
P3	5	5
P4	5	5
P5	5	5
P7	5	5
P10	5	5
P11	5	5

