



AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Feed Processing							
Course Code		VHB627		Course Level		Third Cycle (Doctorate Degree)			
ECTS Credit	10	Workload	254 (<i>Hours</i>)	Theory	2	Practice	2	Laboratory	0
Objectives of the Course		Adoption of the effect of feed processing on feeding, Feed processing techniques and techniques for compound feed preparation to train knowledgeable experts.							
Course Content		Explanation of the relationship between the processing of feed and nutrition, explaining the purpose of feed processing and transfer to the student, specifying intensive feed processing techniques, specifying roughage processing techniques.							
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	Coşkun, B., Şeker, E., İnal, F. (2000) Yemler ve Teknolojisi, Selçuk Üniversitesi Veteriner Fakültesi Yayın Ünitesi, Konya.
2	Ergün, A., Tuncer, Ş.D., Çolpan, İ., Yalçın, S., Yıldız, G., Küçükersan, M.K., Küçükersan, S., Şehu, A. (2004) Yemler, Yem Hijyeni ve Teknolojisi, Pozitif Matbaacılık, Ankara.
3	Kellerns, R.O., Church, D.C. (2002) Livestock Feeds and Feeding, Prentice Hall, New Jersey.
4	Ensminger, M.E., Olentine, C.G. (1980) Feeds and Nutrition, The Ensminger Publishing Company, California, ABD.
5	McDonald, P., Edwards, R.A., Greenhalgh, J.F.D. (1990) Feeds and Feeding, Prentice Hall, New Jersey, ABD.

Week	Weekly Detailed Course Contents	
1	Theoretical	
	Practice	
2	Theoretical	
	Practice	
3	Theoretical	
	Practice	
4	Theoretical	
	Practice	
5	Theoretical	
	Practice	
6	Theoretical	
	Practice	
7	Theoretical	
	Practice	
8	Practice	
	Intermediate Exam	Midterm exam
9	Theoretical	
	Practice	
10	Theoretical	
	Practice	
11	Theoretical	
	Practice	
12	Theoretical	
	Practice	



13	Theoretical	
	Practice	
14	Theoretical	
	Practice	
15	Theoretical	
	Practice	
16	Practice	Evaluation of the exam result, mutual evaluation of the answers, discussion, general evaluation.
	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	The effect of feed processing on feeding, feed processing techniques, compound feed preparation technology.
2	To know the effect of feed processing on feeding, to know the techniques of feed processing, to have information about compound feed preparation technology.
3	As the transfer of correct and up-to-date information will increase the self-confidence of the students, adapting to scientific and technological developments and changes in professional practices more easily and producing the right approaches to the problems in this subject.
4	Intensive feed processing techniques-Mechanical processes
5	Storage of feeds, determination of the effects of storage conditions on feed quality

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	
P3	5	5	5
P7	5	5	

