AYDIN ADNAN MENDERES UNIVERSITY
COURSE INFORMATION FORM

Course Title		Feed Processing							
Course Code		VHB523		Couse Level		Second Cycle (Master's Degree)			
ECTS Credit	5	Workload	127 *(Hours)*	Theory	1	Practice	2	Laboratory	0
Objectives of the Course		Adopting of effects of feed processing on nutrition, educating of master about techniques of feed processing and technology of feed mixture preparation.							
Course Content		Explanation of relation between feed processing and nutrition, explanation of purposes of feed processing, adopting of concentrate processing techniques, adopting of roughage processing techniques.							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Demonstration, Discussion, Case Study, Individual Study					
Name of Lecturer(s)		Lec. Ömer SEVİM, Prof. Özcan CENGİZ							

Assessment Methods and Criteria		
Method	Quantity	Percentage (%)
Midterm Examination	1	28
Final Examination	1	60
Assignment	5	12

Recommended or Required Reading	
1	Coşkun, B., Şeker, E., İnal, F. (2000) Yemler ve Teknolojisi, Selçuk Üniversitesi Veteriner Fakültesi Yayın Ünitesi, Konya.
2	Korkut, A.Y., Hoşsu, B., Kop, A.F. (2004) Balık Besleme ve Yem Teknolojisi II, Ege Üniversitesi Basımevi, İzmir
3	Ensminger M.E., Olentine C.G. (1980) Feeds and Nutrition, The Ensminger Publishing Company, California.
4	McDonald, P., Edwards R.A., Greenhalgh, J.F.D. (1990) Feeds and Feeding, Prentice Hall, New Jersey.

Week	Weekly Detailed Course Contents	
1	Theoretical	Effects of feed processing on nutrition
2	Theoretical	Explanation of purpose of feed processing, its importance for animal health and production
3	Theoretical	Techniques of processing concentrates-Mechanic processing
4	Theoretical	Techniques of processing concentrates-Heat applications
5	Theoretical	Techniques of processing concentrates-Alteration of moisture
6	Theoretical	Techniques of processing concentrates-Other processes
7	Theoretical	Processing of some protein sources
8	Intermediate Exam	Midterm exam
9	Theoretical	Processing of oils
10	Theoretical	Techniques of processing roughages-Physical processing
11	Theoretical	Techniques of processing roughages-Chemical processing
12	Theoretical	Explanation of techniques of mix feed preparations
13	Theoretical	Storage of feeds, determine of effects of storage conditions on feed quality
14	Theoretical	Discussing of different storage methods positive and negative effects on nutrient of feeds
15	Theoretical	Presentation of assignments

Workload Calculation				
Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	1	14
Lecture - Practice	15	0	2	30
Assignment	5	0	2	10
Reading	14	0	4	56
Midterm Examination	1	6	1	7

Final Examination	1	9	1	10
			Total Workload (Hours)	127
			[Total Workload (Hours) / 25*] = **ECTS**	5
**25 hour workload is accepted as 1 ECTS*				

Learning Outcomes	
1	Effects of feed processing on nutrition.
2	Because of giving correct and recent information to students they can more easily adapted to transformation of occupational practice. Produce correct solution for problems about this issue.
3	Methods for processing.
4	Technology of prepare feed mixture.
5	Processing technology of feed.

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 nutiritonal diseases.

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

	L1	L2
P3	5	5
P7	5	