



## AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Feed Hygiene							
Course Code		VHB522		Course Level		Second Cycle (Master's Degree)			
ECTS Credit	5	Workload	131 ( <i>Hours</i> )	Theory	1	Practice	2	Laboratory	0
Objectives of the Course		Explanation of importance of feed hygiene for animal health and quality of production. Teaching of critic control points for feed hygiene. Teaching of basic principles and critic control points for feed hygiene.							
Course Content		Explanation of sources of contaminations in feeds and their negative effects, adopting of different contaminations and importance of critic control points, sharing of some information about the storage conditions of feeds and HACCP in feed factories.							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Experiment, Demonstration, Discussion, Case Study, Individual Study					
Name of Lecturer(s)									

### Assessment Methods and Criteria

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

### Recommended or Required Reading

1	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.
2	Ergül, M. (1988). Yemler Bilgisi ve Teknolojisi, Ege Üniversitesi Basımevi, İzmir.
3	Kılıç, A. (1988). Yemler ve Hayvan Besleme, Bilgehan Basımevi, İzmir.

Week	Weekly Detailed Course Contents	
1	Theoretical	Definition of contamination sources in feeds, give examples about the negative effects of contaminations
2	Theoretical	Contamination of pestilent
3	Theoretical	Physical contamination of feeds, negative effects on health and production
4	Theoretical	Chemical contamination of feeds, negative effects on health and production
5	Theoretical	Microbial contamination of feeds, negative effects on health and production
6	Theoretical	Influence of factors which effect microorganism contamination in feeds
7	Theoretical	Effects of microbial deterioration of feeds
8	Intermediate Exam	Midterm exam
9	Theoretical	Evaluations of harmful effects of insect and reptile on animal health and product in grain and grain by products
10	Theoretical	Measures of protection from microbial deterioration in feeds
11	Theoretical	Methods for health production and controlling of pestilent
12	Theoretical	Critic control points for feed production, storage of feeds
13	Theoretical	HACCP rules for feed factories
14	Theoretical	Physical, biological and chemical methods for disarmament of mycotoxins in feeds
15	Theoretical	Quality of water, importance of water for animal health, critic points for water hygiene

### Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	1	14
Lecture - Practice	15	0	2	30
Reading	14	0	5	70
Midterm Examination	1	6	1	7



Final Examination	1	9	1	10
Total Workload (Hours)				131
[Total Workload (Hours) / 25*] = ECTS				5
*25 hour workload is accepted as 1 ECTS				

### Learning Outcomes

1	Teaching of deteriorations of feeds.
2	Proper storage for feeds.
3	Rules which must to consider when feeds need to store.
4	Learning to combat feed pests.
5	Learning Feed Hygiene.

### 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	L3
P1	5	5	5
P3	5	5	5
P6	5		
P8	5	5	5

