

HERD HEALTH AND MANAGEMENT

1	Course Title:	HERD HEALTH AND MANAGEMENT
2	Course Code:	VET5129
3	Type of Course:	Optional
4	Level of Course:	First Cycle
5	Year of Study:	5
6	Semester:	9
7	ECTS Credits Allocated:	4.00
8	Theoretical (hour/week):	3.00
9	Practice (hour/week):	0.00
10	Laboratory (hour/week):	0
11	Prerequisites:	-
12	Language:	Turkish
13	Mode of Delivery:	Face to face
14	Course Coordinator:	Prof. Dr. HASAN BATMAZ
15	Course Lecturers:	Prof.Dr. İsmet TÜRKMEN Prof. Dr. Yavuz NAK Prof. Dr. Deniz NAK Prof.Dr. Kadir YEŞİLBAĞ Doç.Dr. Abdülkadir ORMAN
16	Contact information of the Course Coordinator:	Uludağ Üniversitesi veteriner Fakültesi İç Hastalıkları AD, hbatmaz@uludag.edu.tr
17	Website:	http://www.veteriner.uludag.edu.tr
18	Objective of the Course:	To give the knowledge on the spread, development, diagnosis and principles for control of diseases on the herd basis, vaccines and vaccination policies.
19	Contribution of the Course to Professional Development:	
20	Learning Outcomes:	
	1	To gain productive and economic breeding and management
	2	To gain relationship between herd health and nutrition
	3	To gain effect of nutrition on reproduction and preventive methods on this subject
	4	To gain fertility management for productive and economic herd
	5	To evaluate performance target of herd
	6	Protection of the herd diseases
	7	To gain economic significance and size of diseases
	8	To evaluate relationship between diseases and production
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21	Course Content:	
	Course Content:	
Week	Theoretical	Practice

1	Aims and programs of herd health and management, principles, management of dairy farm, systematic strategies, economic targets, loses, relationship between production and health, goals in management			
2	Effects of animal housing system to behaviour and diseases, adaptation to environment, decision making on effective herd management, important points in choosing breeding animals for herd health and management			
3	General herd management from birth to selection, annual plan, evaluation of registration (keeping registration, electronics registration and package programmes)			
4	Problems and solving paths on calf rearing, management plan for prevention of losses, significance of dry period on herd health and management, preventions for healthy lactation			
5	The effects of Animal Nutrition on heard Health. The relationship between nutrition and heard health. The effects of feed hygiene on heard health. Pathogenic microorganisms and toxins and their harmful effects on feed			
6	Methods of examination of nutritional status in cattle: stool examination, ration controls, monitoring of energy balance. Transition period nutrition in dairy cattle and its effects			
Activites		Number	Duration (hour)	Total Work Load (hour)
8	Theoretical Scoring system for diagnosis of infertility and	14	3.00	42.00
Practicals/Labs		0	0.00	0.00
9	Self study and preparation Problem solving approaches, prophylactic measures and monitoring methods in herd	14	5.00	70.00
Homeworks		0	0.00	0.00
Projects Mastitis incidence		0	0.00	0.00
10	Field Studies The effects of infectious diseases on herd	1	2.00	2.00
Midterm Exams Etiology of infertility and reproductive problems in herds		1	2.00	2.00
Others		1	1.00	1.00
Final Exams diagnosing infections on the herd basis		1	3.00	3.00
Total Work Load				122.00
Total workload/30 hr				4.00
ECTS Credit of the Course				4.00
	infected herds Strategies for building a healthy new herd Vaccines			
12	Insidans of diseases and target of performance Biosecurity and critical control points Plan of herd health			
13	Control of diseases Metabolic profile test Control of perinatal and peripartum period			

14	Prevention of calf diarrhea nad pneumonia Obligatory applications in herd Vaccination programs (with examples)	
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22	Textbooks, References and/or Other Materials:	1. Sığırlarda Sürü Sağlığı ve Yönetimi, Batmaz, H. Ed., Alfa Aktüel, Bursa, 2015 2. Sığırların İç Hastalıkları-Semptomdan Tanıya, Tanıdan Sağaltıma, Batmaz H.: Özhan Matbaası, 3. Baskı, Bursa, 2016 3. Buzağı İç Hastalıkları, Şentürk, S. Bursa, 2. Baskı, Özhan Matbaası 2012 4. Herd Health. Food Animals Production Medicine. Radostits. OM, Philadelphia, 2001 5. Dairy Herd Health and Management, Noordhuizen, J., Leicestershire, 2011 6. Calf Rearing Guide, Charlton, S.J., Leicestershire, 2009 7. Yemler, yem hijyeni ve teknolojisi Ergun, A., Tuncer, D. S., Çolpan, İ., Yalçın, S., Yıldız, G., Küçükersan, K., Küçükersan, S. Sehu, A.; (Düzeltilmiş 2. Baskı). Pozitif Matbaacılık, Ankara, 2004. 8. Çiftlik Hayvanlarında Beslenme Hastalıkları. Umucalılar, H.D., Gülşen, N. SÜ Basımevi, Konya, 2005. 9. National Research Council. Nutrients Requirements of Dairy Cattle. 7th Ed. National Academy Press, Washington, DC, 2001.
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23	Assesment	
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TERM LEARNING ACTIVITIES	NUMBER	WEIGHT
Midterm Exam	1	30.00
Quiz	1	10.00
Home work-project	0	0.00
Final Exam	1	60.00
Total	3	100.00
Contribution of Term (Year) Learning Activities to Success Grade		40.00
Contribution of Final Exam to Success Grade		60.00
Total		100.00
Measurement and Evaluation Techniques Used in the Course		

24	ECTS / WORK LOAD TABLE
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25	CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS															
	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ10	PQ11	PQ12	PQ13	PQ14	PQ15	PQ16
ÖK1	3	2	3	2	5	3	3	1	1	1	2	3	0	0	0	0
ÖK2	3	2	3	2	5	5	3	1	1	1	2	3	0	0	0	0
ÖK3	3	2	3	2	5	3	3	1	1	1	2	3	0	0	0	0
ÖK4	3	2	3	2	5	3	3	1	1	1	2	3	0	0	0	0
ÖK5	3	2	3	2	5	3	3	1	1	1	2	3	0	0	0	0
ÖK6	3	2	3	2	5	3	3	1	1	1	2	3	0	0	0	0

ÖK7	3	2	3	2	5	3	3	1	1	1	2	3	0	0	0	0
ÖK8	3	2	3	2	5	3	3	1	1	1	2	3	0	0	0	0
LO: Learning Objectives PQ: Program Qualifications																
Contribution Level:	1 very low			2 low			3 Medium			4 High			5 Very High			