

UDDER HEALTH AND MASTITIS CONTROL PROGRAM

1	Course Title:	UDDER HEALTH AND MASTITIS CONTROL PROGRAM
2	Course Code:	VET5139
3	Type of Course:	Optional
4	Level of Course:	First Cycle
5	Year of Study:	5
6	Semester:	9
7	ECTS Credits Allocated:	3.00
8	Theoretical (hour/week):	1.00
9	Practice (hour/week):	1.00
10	Laboratory (hour/week):	0
11	Prerequisites:	None
12	Language:	Turkish
13	Mode of Delivery:	Face to face
14	Course Coordinator:	Prof. Dr. Abdülkadir KESKİN
15	Course Lecturers:	Prof. Dr. Abdulkadir KESKİN Doç. Dr. Gülnaz MECİTOĞLU Dr. Öğr. Üyesi E. Sinem ÖZDEMİR SALCI
16	Contact information of the Course Coordinator:	Prof. Dr. Abdulkadir Keskin kadir@uludag.edu.tr Doğum ve Jinekoloji Anabilim Dalı
17	Website:	
18	Objective of the Course:	It is aimed to provide students with up-to-date knowledge on a level compatible with European Union criteria about infectious and non-infectious diseases of the udder of cattle, sheep, and goat, that students The necessary skills to the practitioner veterinary surgeon to treat professionally and use the treatment methods and to educate them in appropriate.
19	Contribution of the Course to Professional Development:	They graduate knowing the etiopathogenesis, diagnosis and treatment of mastitis and control measures to be taken in dairy cattle farms.
20	Learning Outcomes:	
	1	Ability to know the effects of etiological and predisposition factors on udder diseases in dairy farms and ideal udder health in cows
	2	Know to detection of udder diseases in dairy farm in terms of herd health
	3	Ability to determine udder disease in lactating dairy cows
	4	Ability to know the effects of milking machine on udder disease, work principle of milking machine, problems and how to solve problems of milking machine
	5	Aware of know environmental and barn conditions affecting on udders diseases, detect and solve to unfavourable conditions, and biosecurity.
	6	Know to culling strategy in lactating dairy farms, educate to farm staff about mastitis and reduce mastitis incidence, improving adequate nutrition of cows for prevention mastitis.
	7	Know to dry period what to do in terms of udder health during dry period and can guide and control its application.

		8	By monitoring udder health at different control points when operating, it can ensure that the mastitis problem remains below acceptable levels in terms of udder health and operating profitability.		
		9			
		10			
21	Course Content:				
	Course Content:				
Week	Theoretical		Practice		
1	Economic losses caused by udder diseases in dairy farms and its importance		Application in slaughterhouse material		
2	Udder anatomy, relationship between udder morphology and mastitis		Application in slaughterhouse material		
3	Factors affecting lactation physiology, milk secretion, milk composition and milk yield		Clinical examination of the udder		
4	Udder anatomical, cellular and humoral defence system, strengthening the udder immune system		Clinical examination of the milk		
5	Udder health, udder examination, clinical forms of mastitis		Application in CMT		
6	Etiopathogenesis of mastitis		Evaluation of the teat end		
7	Mastitis caused by contagious bacteria, etiopathogenesis, risk factors and precautions		Evaluation of milking equipment		
8	Mastitis caused by environmental bacteria, etiopathogenesis, risk factors and precautions		Herd visits		
Activites			Number	Duration (hour)	Total Work Load (hour)
Theoretical			14	1.00	14.00
Practicals/Labs			14	1.00	14.00
Self study and preparation			14	1.00	14.00
Homeworks			8	1.00	8.00
Projects			1	30.00	30.00
Field Studies			2	4.00	8.00
Midterm exams			1	1.00	1.00
Others			0	0.00	0.00
Final Exams			1	1.00	1.00
Textbooks, References and/or Other			1	1.00	1.00
Total Work Load					90.00
Total work load/ 30 hr			2		3.00
ECTS Credit of the Course					3.00
			3-Mastitis control in dairy herds. Roger Blowey and Peter Edmondson, Mixed Sources, FSC, UK, 2010 4-Tyler, H.D., Ensminger, M.E. 2006. "Dairy cattle Science", Perason-Prentice Hall Press, Ohio, USA. 5-Roberson, J.R. 2012. "Treatment of clinical mastitis", Vet. Clin. Food Animal, 28, 271-288.		
23	Assesment				
TERM LEARNING ACTIVITIES		NUMBE R	WEIGHT		
Midterm Exam		1	40.00		
Quiz		0	0.00		
Home work-project		0	0.00		
Final Exam		1	60.00		
Total		2	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	The exams to be made will be made in the form of test, classical written or oral.
24	ECTS / WORK LOAD TABLE

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	4	5	3	4	4	4	5	3	4	3	4	0	0	0	0
ÖK2	3	3	3	4	4	4	5	5	4	4	4	5	0	0	0	0
ÖK3	4	5	5	5	4	4	4	3	3	4	3	4	0	0	0	0
ÖK4	3	3	3	3	4	4	4	4	4	4	5	5	0	0	0	0
ÖK5	4	4	4	4	5	5	5	5	4	4	4	4	0	0	0	0
ÖK6	5	4	4	4	5	5	4	4	4	5	5	5	0	0	0	0
ÖK7	5	4	4	4	4	4	3	3	3	3	5	3	0	0	0	0
ÖK8	4	4	4	3	3	3	5	5	3	3	3	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			