MAMMARY GLAND

1	Course Title:	MAMMARY GLAND	
2	Course Code:	VDJ6004	
3	Type of Course:	Compulsory	
4	Level of Course:	Third Cycle	
5	Year of Study:	1	
6	Semester:	2	
7	ECTS Credits Allocated:	4.00	
8	Theoretical (hour/week):	2.00	
9	Practice (hour/week):	2.00	
10	Laboratory (hour/week):	0	
11	Prerequisites:	None	
12	Language:	Turkish	
13	Mode of Delivery:	Face to face	
14	Course Coordinator:	Prof. Dr. Kamil Seyrek İntaş	
15	Course Lecturers:	Prof. Dr. Kamil SEYREK İNTAŞ Doç. Dr. Abdulkadir KESKİN	
16	Contact information of the Course Coordinator:	Prof. Dr. Kamil Seyrek-İntaş Uludag ÜniversitesiVeteriner FakültesiHayvan HastanesiDoğum ve Jinekoloji Anabilim Dalı 16059 Görükle Yerleşkesi Bursa Tel:+ 90 224 294 08 21 GSM:+ 90 532 554 39 07 Email: kamilsi@uludag.edu.tr , profdrkamil@gmail.com	
17	Website:	http://saglikbilimleri.uludag.edu.tr	
18	Objective of the Course:	To teach student advanced topics, examination methods and instruments used in udder diseases practice and to teach prophilaxy and treatment of mastitis	
19	Contribution of the Course to Professional Development:		
20	Learning Outcomes:		
		1	Capacity to know importance of economics of mastitis in dairy cows in the world and Turkey as a specialist veterinerian.
		2	Ability to know the conformation of the teat and udder, election benchmarks in terms of udder health and mastitis.
		3	Ability to know the teat defences against mastitis, the nonspecific and specific defence mechanisms of udder and milk against mastitis.
		4	Ability to know causes and epidemiology of mastitis, environmental and contagious mastitis pathogens.
		5	Ability to know relationship between the environment and mastitis and importance of environmental variation, bedding type, importance of ventilation, cubicle (free-stall) systems on occurence of mastitis.
		6	Ability to know and apply a strategy for environmental mastitis control.
		7	Ability to know milking routine and its relationship to mastitis and ability to know and apply a strategy for contagious mastitis control and follow developing milking techniques and effects on mastitis.

	8	Ability to know relation between somatic cell count and milk production and analize “what are the realistic production targets for the future?” and ability to know and analize Heredity of clinical mastitis, somatic cell counts and milk production.
	9	Ability to do mastitis treatment during lactation and dry cow therapy, choice of antibiotics for treatment and ability to know importance of the antibiotic residues in treated milks for dairy industry and human health.
	10	Ability to know and analize culling criterias in herds with mastitis problem and the importance of recording and ability to perform teat and udder injuries and udder surgery.

21	Course Content:

Course Content:

Week	Theoretical	Practice
1	Economics of mastitis in dairy cows in the world and in Turkey.	Herd vizits
2	The conformation of the teat and udder. Election benchmarks in terms of udder health and mastitis.	Practice with visual material and herd vizit
3	The teat defences against mastitis. The nonspecific and specific defence of udder and milk against mastitis.	Practice with visual material
4	Causes and epidemiology of mastitis. Environmental and contagious mastitis pathogens	Practice with visual material and herd vizit
6	Strategy for environmental mastitis control. Strategy for contagious mastitis control.	Practice with visual material and herd vizit
12	The antibiotic residues in treated milks: its importance for dairy industry and human health.	Practice with visual material
13	Culling criterias in herds with mastitis problem. The importance of recording.	Herd vizit
14	Teat and udder injuries and udder surgery.	Practice with slaughter material

Activites	Number	Duration (hour)	Total Work Load (hour)
Theoretical	14	2.00	28.00
Practicals/Labs	14	2.00	28.00
Self study and preperation	14	2.00	28.00
Homeworks	0	0.00	0.00
Projects	0	0.00	0.00
Field Studies	2	3.00	6.00
Midterm exams	0	0.00	0.00
Others	1	10.00	10.00
Final Exams	1	20.00	20.00
Total Work Load			120.00
Total work load/ 30 hr			4.00
ECTS Credit of the Course			4.00

22	Textbooks, References and/or Other Materials: 1. BLOWEY O, EDMONDSON P. Mastitis Control In Dairy Herds, Farming Press Books, 2000.
23	Assesment

TERM LEARNING ACTIVITIES	**NUMBER**	**WEIGHT**
Midterm Exam	0	0.00
Quiz	0	0.00
Home work-project	0	0.00

Final Exam	1	100.00
Total	1	100.00
Contribution of Term (Year) Learning Activities to Success Grade		0.00
Contribution of Final Exam to Success Grade		100.00
Total		100.00
Measurement and Evaluation Techniques Used in the Course		

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	5	3	4	3	1	2	2	2	3	3	4	5	0	0	0	0
ÖK2	5	5	5	5	4	5	3	2	4	3	4	5	0	0	0	0
ÖK3	5	5	5	5	5	4	5	3	5	4	5	3	0	0	0	0
ÖK4	5	5	5	5	5	4	4	3	5	4	5	4	0	0	0	0
ÖK5	5	5	5	5	5	4	4	3	4	3	5	5	0	0	0	0
ÖK6	5	5	5	5	5	4	4	3	3	3	4	4	0	0	0	0
ÖK7	5	5	5	5	5	3	5	4	4	3	5	4	0	0	0	0
ÖK8	4	5	3	4	5	4	5	5	4	4	5	5	0	0	0	0
ÖK9	5	5	4	4	4	4	5	4	5	3	5	5	0	0	0	0
ÖK10	5	5	5	5	4	3	4	4	4	3	5	5	0	0	0	0
LO: Learning Objectives PQ: Program Qualifications																
Contribution Level:	**1 very low**		**2 low**		**3 Medium**		**4 High**			**5 Very High**						