REPRODUCTIVE ENDOCRINOLOGY									
1	Course Title:	REPRODUCTIVE ENDOCRINOLOGY							
2	Course Code:	VET4019							
3	Type of Course:	Compulsory							
4	Level of Course:	First Cycle							
5	Year of Study:	4							
6	Semester:	7							
7	ECTS Credits Allocated:	1.00							
8	Theoretical (hour/week):	1.00							
9	Practice (hour/week):	0.00							
10	Laboratory (hour/week):	0							
11	Prerequisites:	No							
12	Language:	Turkish							
13	Mode of Delivery:	Face to face							
14	Course Coordinator:	Prof. Dr. ZEKARİYA NUR							
15	Course Lecturers:	Yok							
16	Contact information of the Course Coordinator:	Uludağ Üniversitesi Veteriner Fakültesi Dölerme ve Suni Tohumlamam Anabilim Dalı							
17	Website:								
18	Objective of the Course:	To give basic information in the field of endocrinology of reproduction in farm animals, to gain capability for appropriate diagnosis against clinical events and clinical uses of reproductive hormones and some biotechnological techniques theoretically and practically to the students by paying attention to the development of animal husbandry in our country							
19	Contribution of the Course to Professional Development:								
20	Learning Outcomes:								
		1 Synthesis, release, metabolism and mechanism of de to target tissue of reproductive hormones							
		2	Effect of dysfunction of reproductive hormones and therapy						
		3	Comparatively estrus and estrus cycle regulation in farm animals						
		4	Fertilization, implantation, embryonic and fetal development, pregnancy and act of parturition						
		5	Maternal recognition of pregnancy, sex differentiation, maintenance and termination of pregnancy via hormone						
		6	Endocrine regulation of gametogensis						
		7	Use of hormone for diagnosis and therapy and embryo transfer						
		8	Endocrine, physiologic and behavioral changes during estrous, puberty and breeding season Enhancing reproductive performance of farm animals						
		9							

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21	Course Content:									
	Course Content:									
Week	Theoretical		Practice							
1	Introduction, what are reproductive hormones, type of hormones and horr release	none								
2	Hypothalamic hormones, target tissue hypothalamic -hypophysial portal syste									
3	Pituitary hormones FSH LH and targe	t tissue								
4	Gonadotropins progesterone, estrogen prostaglandins target tissue, follicular development, formation and regressio corpora lutea									
5	Effect of hormones produced by place									
6	Release and effect of prenatal and pre pubertal reproductive hormones	9-								
7	Pubertal endocrinology, photo period and season, and other reproductive hormones (PMSG, HCG, prostaglandins etc.)									
8	Male endocrinology, gametegenesiz, a	and								
Activit			Number	Duration (hou	r) Total Work Load (hour)					
Theore	folicular phase, ovulation, and effect of	of	14	1.00	14.00					
Practic	als/Labs		0	0.00	0.00					
Self stu	dy and preperation		0	0.00	0.00					
Homew	vorks		0	0.00	0.00					
Project	δ		0	0.00	0.00					
Field S			0	0.00	0.00					
Midtern	estrus cycle and estrus regulation, and estrous manipulation, follicular develo	pment,	1	6.00	6.00					
Others			0	0.00	0.00					
Final E	kams		1	10.00	10.00					
Total W	/ork Load				30.00					
Total w	Isow, estrus cycle, estrus regulation, a	nd nment			1.00					
	Credit of the Course	DITIEIT			1.00					
13	Reproductive endocrinology in dog an queen, estrus cycle and estrus regulat and estrous manipulation, follicular development, post-partum period and seasonality in don and queen									
14	Embryo transfer in cattle, and hormon therapy	е								

22	Textbooks, References and/or Other Materials:						Pu 2-E Bri 3-E 3-E 4-E An 5-L Eq 6-N Ca No 7-F	 1-Squires E.J. (2004): Aplied Animal Endocrinology.CABI Publishing, Oxon. 2-Blanchard T.L., Varner D.D., Schumacher J., Love C.C., Brinsko S.P., Rigby S.L. (2003): Manual of Equine Reproduction. Mosby, St.Louis. 3-Ball P.J.H., Peters A.R. (2004): Reproduction in Cattle. Blackwell Publishing, Oxford. 4-Bearden H.J., Fuquay J.W., Willard S.T. (2004): Applied Animal Reproduction. Pearson Prentice Hall, New Jersey. 5-Ley W.B. (2004): Broodmare Reproduction for the Equine Practitioner. Teton NewMedia, Wyoming. 6-Mitchell J.R., Doak G. A. (2004): The Artificial Insemination and Embryo Transfer of Dairy and Beef Cattle (including information pertaining to goats, sheep, horses swine, and other animals). Pearson Prentice Hall, New Jersey. 7-Feldman E. C., Nelson R. W. (2004): Canine and Feline Endocrinology and Reproduction. Saunders, St. Louis 											
23	Asse	esme	nt																
TERM L	LEARNING ACTIVITIES						N R		WE	WEIGHT									
Midterm	n Exa	m					1		40.	.00									
Quiz							0		0.0	0									
Home v	ome work-project					0		0.0	0										
Final Ex	al Exam					1		60.	.00										
Total	al						2		10	0.00									
Succes	ntribution of Term (Year) Learning Activitie ccess Grade						to		40.00										
Contrib	tribution of Final Exam to Success Grade						60.	60.00											
Total	al							10	100.00										
Course	asurement and Evaluation Techniques Used in t						d in th	е											
24	ECT	rs /	WO	RK L	OAD	TAB	LE												
25				CON	TRIB	BUTIO	N OI			-		-	S TO I	PROC	GRAMI	ME			
	F	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ1	PQ11	PQ12	PQ1	PQ14	PQ15	PQ16		
ÖK1	3	3	0	4	4	0	0	0	0	0	0	4	0	0	0	0	0		
ÖK2	3		3	5	5	0	0	0	0	0	0	4	0	0	0	0	0		
ÖK3	3		3	4	4	0	0	0	0	0	0	3	0	0	0	0	0		
ÖK4	3		3	3	0	2	0	0	0	0	0	4	0	0	0	0	0		
ÖK5	2		2	0	-	0	0	0	0	0	0	3	0	0	0	0	0		
ÖK6	4		3	3	-	0	0	0	0	0	0	3	0	0	0	0	0		
ÖK7	3		3	3		0	0		0	0	0	3	0	0	0	0	0		
ÖK8	3	3	4	2	0	0	0	0	0	0	0	0	4	0	0	0	0		
LO: Learning Objectives PQ: Program Qualifications																			

Contrib ution	1 very low	2 low	3 Medium	4 High	5 Very High
Level:					