	GAMETOGENESIS, F	ERTIL	IZATION AND IMPLANTATION						
1	Course Title:	GAMET	DGENESIS, FERTILIZATION AND IMPLANTATION						
2	Course Code:	VDT 6001							
3	Type of Course:	Compuls	sory						
4	Level of Course:	Third Cy	cle						
5	Year of Study:	1							
6	Semester:	1							
7	ECTS Credits Allocated:	5.00							
8	Theoretical (hour/week):	1.00							
9	Practice (hour/week):	0.00							
10	Laboratory (hour/week):	0							
11	Prerequisites:	None							
12	Language:	Turkish							
13	Mode of Delivery:	Face to f	ace						
14	Course Coordinator:	Yrd.Doç.	Dr. BURCU ÜSTÜNER						
15	Course Lecturers:	Yok							
16	Contact information of the Course Coordinator:	U.Ü.Vete	И.Kemal SOYLU eriner Fakültesi A Blok Görükle-BURSA udag.edu.tr						
17	Website:								
18	Objective of the Course:	the know	ate students who know the developing of gametes and have wledge about the fusion of gametes and the develapment ion of gametes in domestic animals						
19	Contribution of the Course to Professional Development:								
20	Learning Outcomes:								
		1	To learn the development of gonads in female and male animals						
		2	To describe the development of the female and the male animals						
		3	To explain the hormonal mechanism of oogenesis and spermatogenesis						
		4	To understand the transport of the oocytes and the spermatozoa in the female genital tract						
		5	To describe the sperm capacitation and acrosome reaction						
		6	To have knowledge about the estrus cycle and ovulation						
		7	To understand the fertilization, zygote formation and implantation						
		8							
		9							
		10							
21	Course Content:								
		Co	ourse Content:						
	Theoretical		Practice						
1	Development of ovaries in domestic								
2	Development of testes in domestic a	nimals							
3	Formation process of oogenesis								

4	Horm	Hormonal mechanism of oogenesis																
5	Form	Formation process of spermatogenesis																
6	Horm	Hormonal mechanism of spermatogenesis																
7	Trans	Transport of oocyte in female genital tract																
8	Trans tract	spor	t of sp	permat	tozoa	in fem	ale ge	nital										
9	Sper	m ca	apacit	ation a	and ad	crosom	e read	tion										
10	Estru	is cy	cle ar	nd ovu	lation													
11	Fertil	izati	on															
12	Zygo	te fo	ormatio	on														
13	Impla	antat	tion															
14		Embryonic devevlopment and determination of gestation																
22 Activit	Textbooks, References and/or Other Materials:								in F Bal 2- I 3- I Art Sa 4- 0 Err	1-Hafez ESE, Hafez B (2000): Reproduction in Farm Animals, 7th edition, Lippincott Williams & Wilkins, Baltimore, Maryland, USA. 2- Morrow DA (1986): Current THerapy in Theriogenology, SAunders Inc., New York, USA. 3- Noakes DE, Parkinson TJ, England GCW (2003): Arthur's Veterinary Reproduction and Obstetrics, Saunders Inc., New York, USA. 4- Gordon I (2003): Laboratory Production of Cattle Embryos, 2nd edition. CABI Publising, Cambridge, MA. USA.NumberDuration (hour)Total Work Load (hour)								
	.								_			- ,						
	Theoretical Assesment									4			1.00			14.00		
	Practicals/Labs)			0.00			0.00		
	diama Eucare									4			4.00			0.00		
Homew Quiz Project:							סן –		L L							0.00		
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	I Studies									0						0.00		
Others										0						0.00		
	nters ontribution of Term (Year) Learning Activities to Inal Exams uccess Grade								-	Ισία						20.00		
	Sliccess Grade												20.00			90.00		
Total w	ork lo	ad/ :	30 hr	Adrin (raac			5.00						3.00		
ECTS (Measur Course	Credit remer	of th	he Co	urse				d in the							1	5.00		
24	ECT	'S /	WO	RK L	OAD	TAB	LE											
25	25 CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS																	
	P	2Q1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ1 0	PQ11	PQ12	PQ1 3	PQ14	PQ15	PQ16	
ÖK1	3	3	5	5	5	3	3	5	4	5	3	2	0	0	0	0	0	
ÖK2	3	}	5	3	4	3	4	5	4	5	2	2	0	0	0	0	0	
ÖK3																		

ÖK4	3	5	5	4	3	2	2	3	4	2	2	0	0	0	0	0	
ÖK5	2	5	4	3	2	2	4	4	4	2	2	0	0	0	0	0	
ÖK6	5	3	2	5	4	4	5	5	5	4	3	0	0	0	0	0	
ÖK7	3	5	2	5	4	4	4	4	4	3	1	0	0	0	0	0	
LO: Learning Objectives PQ: Program Qualifications																	
Contrib ution Level:	tion				2 low			3 Medium			4 High			5 Very High			