

# OBSTETRICS AND GYNECOLOGY IN SMALL ANIMALS

<b>1</b>	Course Title:	OBSTETRICS AND GYNECOLOGY IN SMALL ANIMALS	
<b>2</b>	Course Code:	VET4516	
<b>3</b>	Type of Course:	Optional	
<b>4</b>	Level of Course:	First Cycle	
<b>5</b>	Year of Study:	4	
<b>6</b>	Semester:	8	
<b>7</b>	ECTS Credits Allocated:	3.00	
<b>8</b>	Theoretical (hour/week):	2.00	
<b>9</b>	Practice (hour/week):	0.00	
<b>10</b>	Laboratory (hour/week):	0	
<b>11</b>	Prerequisites:	VET 4011 Obstetrics and Gynecology I VET 4012 Obstetrics and Gynecology II	
<b>12</b>	Language:	Turkish	
<b>13</b>	Mode of Delivery:	Face to face	
<b>14</b>	Course Coordinator:	Prof. Dr. DENİZ NAK	
<b>15</b>	Course Lecturers:	Prof. Dr. Deniz NAK Yard. Doç. Dr. R. Gözde ÖZALP	
<b>16</b>	Contact information of the Course Coordinator:	Mail:dnak@ uludag.edu.tr Uludağ Üniv. Veteriner Fak. Doğum ve Jinekoloji Anabilim Dalı	
<b>17</b>	Website:		
<b>18</b>	Objective of the Course:	To teach student examination methods and instrument, used in small animal obstetrics and gynecology practice	
<b>19</b>	Contribution of the Course to Professional Development:		
<b>20</b>	Learning Outcomes:		
		<b>1</b>	Related anatomy, physiology, endocrinology and gynecological examination methods
		<b>2</b>	Clinical use of hormones in small animals
		<b>3</b>	Control of oestrus cycles in small animals
		<b>4</b>	Endocrinology and diagnosis of pregnancy
		<b>5</b>	Pathology of pregnancy
		<b>6</b>	Parturition, dystocia and treatment of dystocia
		<b>7</b>	Postpartum disorders
		<b>8</b>	Diagnosis and treatment methods in disorders of genital organs
		<b>9</b>	Gynecologic operation methods
		<b>10</b>	
<b>21</b>	Course Content:		
		<b>Course Content:</b>	
Week	Theoretical	Practice	

1	Anatomy and histology of genital organs in small animals, puberty and sexual cycles, physiology and endocrinology of sexual cycles			
2	Examination of genital organs, clinical examination, vaginal examination, ultrasonographic, radiographic and endoscopic diagnosis methods, hormone assay.			
3	Using hormones in control of reproduction in small animals: progestogens, oestrogens, androgens ve gonadotrophins			
4	Using hormones in control of reproduction in small animals: prostaglandins, prolactin antagonists, GnRH agonist and antagonist, progesterone antagonists, oxytocin and ergot preparations, synthetic anti-oestrogens			
5	Control of oestrus cycles and termination of pregnancy in small animals			
6	Physiology and endocrinology of pregnancy, implantation and placentation			
7	Diagnosis of pregnancy (abdominal palpation, radiographic and ultrasonographic diagnosis of pregnancy, acute-phase proteins and hormone assays for pregnancy diagnosis)			
8	Pregnancy loss (infectious and noninfectious causes of embryonic or fetal death) Pathology of pregnancy (superfecundation)			
Activites		Number	Duration (hour)	Total Work Load (hour)
	Theoretical	14	2.00	28.00
	Practicals/Labs	0	0.00	0.00
	Self study and preparation	15	3.00	45.00
	Homeworks	0	0.00	0.00
	Projects	0	0.00	0.00
	Field Studies	0	0.00	0.00
	Midterm exams	1	1.00	1.00
	Others	2	7.00	14.00
	Final Exams	1	1.00	1.00
	Total Work Load			89.00
	Total work load/ 30 hr			2.97
	ECTS Credit of the Course			3.00
14	Gynecological operations (episiotomy, episiotomie, amputation of vagina, submucousal resection of vagina, ovariohysterectomy, cesarean section, mastectomy)			

<b>22</b>	Textbooks, References and/or Other Materials:	1. Johnston SD., Root Kustritz MV., Olson PNS. Canine and Feline Theriogenology, WB Saunders Company, Philadelphia, 2001. 2. McDonald's Veterinary endocrinology and reproduction, Pineda, M.H. ( Edt ), A Blackwell Publishing Company, 2003. 3. Feldman, E., Nelson, R.C., Canine and feline endocrinology and reproduction, Saunders, 2004. 4. Kurtzler, M., Wood, A., 2006. Non – surgical methods of contraception and sterilization. 66, pp. 514 - 525 5. Howe, L.M., 2006. Surgical methods of controception and sterilization, 66, 500 - 509
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<b>23</b>	Assesment
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TERM LEARNING ACTIVITIES	NUMBE R	WEIGHT
Midterm Exam	1	40.00
Quiz	1	10.00
Home work-project	0	0.00
Final Exam	1	50.00
Total	3	100.00
Contribution of Term (Year) Learning Activities to Success Grade		50.00
Contribution of Final Exam to Success Grade		50.00
Total		100.00
Measurement and Evaluation Techniques Used in the Course		

<b>24</b>	<b>ECTS / WORK LOAD TABLE</b>
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<b>25</b>	<b>CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS</b>															
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	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ10	PQ11	PQ12	PQ13	PQ14	PQ15	PQ16
ÖK1	5	4	5	5	3	5	5	3	5	4	5	5	0	0	0	0
ÖK2	5	3	5	4	4	4	5	3	4	4	5	4	0	0	0	0
ÖK3	5	3	5	5	5	4	4	3	4	4	5	4	0	0	0	0
ÖK4	5	3	5	4	5	5	4	3	5	4	3	5	0	0	0	0
ÖK5	5	4	5	4	4	4	4	3	4	5	5	5	0	0	0	0
ÖK6	5	3	5	5	5	5	5	3	4	4	4	4	0	0	0	0
ÖK7	5	3	5	4	5	5	4	4	4	4	5	3	0	0	0	0
ÖK8	5	3	5	4	5	5	4	4	4	4	5	3	0	0	0	0
ÖK9	5	3	5	4	4	4	3	3	4	4	4	5	0	0	0	0

<b>LO: Learning Objectives    PQ: Program Qualifications</b>																
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<b>Contrib ution Level:</b>	<b>1 very low</b>	<b>2 low</b>	<b>3 Medium</b>	<b>4 High</b>	<b>5 Very High</b>
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