

# ANESTHESIOLOGY I

1	Course Title:	ANESTHESIOLOGY I
2	Course Code:	VET4017
3	Type of Course:	Compulsory
4	Level of Course:	First Cycle
5	Year of Study:	4
6	Semester:	7
7	ECTS Credits Allocated:	3.00
8	Theoretical (hour/week):	1.00
9	Practice (hour/week):	2.00
10	Laboratory (hour/week):	0
11	Prerequisites:	No
12	Language:	Turkish
13	Mode of Delivery:	Face to face
14	Course Coordinator:	Prof. Dr. AYŞE TOPAL
15	Course Lecturers:	Yok
16	Contact information of the Course Coordinator:	atopal@uludag.edu.tr
17	Website:	<a href="http://www.veteriner.uludag.edu.tr">http://www.veteriner.uludag.edu.tr</a>
18	Objective of the Course:	Clinical environment or field conditions, to teach the techniques of sedation and anesthesia in domestic animal and give them the ability to apply
19	Contribution of the Course to Professional Development:	
20	Learning Outcomes:	
	1	To learn apply to sedation all types of domestic animals and pets
	2	To learn the techniques of anesthesia, appropriate to the operation
	3	To learn clinical environment under field conditions, according to animal species to gain the ability to select and apply the most appropriate anesthetic protocol
	4	To learn Provide an adequate level of analgesia in animals
	5	To learn the techniques of cardiopulmonary resuscitation
	6	To learn to be able euthanasia if it is necessary
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21	Course Content:	
	Course Content:	

Week	Theoretical	Practice		
1	The aim of the course a brief overview of the course content and information about the source, patient preanesthetic evaluation and physical examination	Anamnesis and physical examination		
2	Patients be categorized according to ASA (American Association of Anesthesiologists), and to give information on factors affecting the choice of anesthetic material selection	Sedation in dogs and cats		
3	Preanestezik period, the preparation of the patient's anesthesia, correction of existing problems, recovery from anesthesia and maintenance	Intubation in dogs		
4	Preanestezik drugs and anticholinergics, the use of tranquilizers and sedatives and analgesic therapy	Intubation in cats		
5	General anesthesia induction, maintenance and recovery periods, the reliability of general anesthesia, anesthesia stages and terminology	Induction of anesthesia in dogs and enjectable anesthesia		
6	Induction techniques and drugs, patient monitorizyonu, anesthetic agents and anesthetic techniques, injectable anesthetics	Induction of anesthesia in cats and enjectable anesthesia		
Activites		Number	Duration (hour)	Total Work Load (hour)
Theoretical	anesthetic plan, induction, maintenance and recovery	14	1.00	14.00
Practicals/Labs		14	2.00	28.00
8	General anesthesia in cats, preanestezik patient evaluation, preparation of general	14	1.00	14.00
Homeworks		0	0.00	0.00
Projects	induction, parateral way, anesthesia, postoperative care	0	0.00	0.00
Field Studies		0	0.00	0.00
9	General anesthesia in horses, preanestezik, induction, and recovery from inhalation	14	1.00	14.00
Others		1	5.00	5.00
Final Exams	treatment	1	15.00	15.00
Total Work Load				90.00
Total work load (30 hr)				3.00
ECTS Credit of the Course				3.00
11	Cardiopulmonary arrest and cardiopulmonary resuscitation, anesthesia-related complications, emergency situations related to anesthesia, airway-breathing and circulation	Introduction of drugs and equipment used in resuscitation		
12	Local anesthetics and local anesthetic techniques, surface anesthesia, infiltration anesthesia, regional anesthesia, the anatomical structure of the spinal cord	Local anesthesia techniques		

<b>13</b>	Application of local anesthesia in horses, anesthesia techniques are applied to the head and extremities, epidural anesthesia	Application of local anesthesia in horses
<b>14</b>	Application of local anesthesia in ruminants and pigs, local anesthesia techniques of the head and extremities, paravertebral and epidural anesthesia, anesthesia for castration	Application of local anesthesia in ruminants

<b>22</b>	Textbooks, References and/or Other Materials:	1. Veteriner Anestezi, Topal, A., Nobel Kitap evi, Bursa, 2005 2. Veterinary Anesthesia, Lumb and Jones, Thurmon, J., Tranquilli WJ, Benson GJ; London, 1996 3. Veteriner Anesthesia and Analgesia McKelvey D., Hollingshead W., Mosby, London, 2003 4. Veteriner Anaesthesia, L.W. Hall, K.W.Clarke, C.M. Trim, W.B.Saunders, London, 2001 5. Veterinary Anesthesia Drug Quick Reference, A. Blaze, M.M. Glowaski, Elsevier, St.Louis,2004 6. Small Animal Anesthesia and Analgesia; Gwendolyn Carroll, USA: 2007 7. Lumb & Jones' Veterinary Anesthesia and Analgesia, W. Tranquilli, J. Thurmon, K. Grimm USA: 2007 8..Manual of Equine Anesthesia and Analgesia T. Doherty, A. Valverde, Blackwell - USA: 2006
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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>															
	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ10	PQ11	PQ12	PQ13	PQ14	PQ15	PQ16
<b>ÖK1</b>	5	5	5	5	2	1	1	3	5	3	5	4	0	0	0	0
<b>ÖK2</b>	5	5	5	2	2	1	1	2	5	3	5	4	0	0	0	0
<b>ÖK3</b>	5	5	5	4	2	1	5	1	1	2	2	0	0	0	0	0
<b>ÖK4</b>	5	5	5	4	3	2	1	3	5	3	5	4	0	0	0	0
<b>ÖK5</b>	5	5	5	4	1	1	1	2	5	5	4	3	0	0	0	0

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