

LARGE ANIMAL SURGERY

1	Course Title:	LARGE ANIMAL SURGERY
2	Course Code:	VET4015
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):	2.00
9	Practice (hour/week):	0.00
10	Laboratory (hour/week):	0
11	Prerequisites:	Topographic Anatomy, Introduction to the Clinic, General Surgery
12	Language:	Turkish
13	Mode of Delivery:	Face to face
14	Course Coordinator:	Prof. Dr. AYŞE TOPAL
15	Course Lecturers:	Prof. Dr. Hakan SALCI
16	Contact information of the Course Coordinator:	Prof. Dr. Ayşe TOPAL U.Ü. Veteriner Fakültesi Hayvan Hastanesi Cerrahi ABD Görükle Kampusu 16059 Görükle / BURSA atopal@uludag.edu.tr 0224-2940833
17	Website:	http://www.uludag.edu.tr/Bologna/dereceler/dt/33/dl/tr/b/23/p/76/drs/392717
18	Objective of the Course:	It is aimed to provide students with up-to-date knowledge on a level compatible with European Union criteria about infectious and non-infectious diseases of the head, neck, back, tail, male genital organs, urinary system, fore and hindlimbs (bones and soft tissues) in horses, cattle, sheep, goat, and pig, that students the necessary skills to the practitioner veterinary surgeon to treat professionally and use the treatment methods and to educate them in appropriate.
19	Contribution of the Course to Professional Development:	Teaches infectious and non-infectious surgical diseases and treatment methods of the head, neck, thorax, abdomen, rump and tail, male genital organs, urinary system, soft and bone tissue of anterior and posterior extremities of horses, cattle, sheep, goats and pigs.
20	Learning Outcomes:	
	1	The student, detects the problem in most important surgical diseases of large animals under clinical and field conditions
	2	applies basic techniques of surgical treatment in large animals
	3	Is able to treat large animals based on indication and under the aspect of economical criteria
	4	Is able to interpret and solve the problem of species/breed specific disorders
	5	Contributes to production and performance on a high standard regarding animal health and welfare and enhances profit of the breeder
	6	Is aware of biosecurity and preventive medicine
	7	Gains multidisciplinary team work approach

	8	Owns approaches and skills of a professional veterinary surgeon		
	9	Perform a complete clinical examination and demonstrate ability in clinical decision making.		
	10	Collect, preserve and transport samples, select appropriate diagnostic tests, interpret and understand the limitations of the test results.		
21	Course Content:			
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Week	Theoretical	Practice		
1	Wound of eyelids, conjunctivitis, ceratitis, (BIK, OIK, KIK), wounds and foreign bodies of the cornea, cyst dermoid, exophthalmus, periodic ophthalmia of horses, eye tumours, differential diagnosis of eye diseases and ocular syndromes.			
2	Soft tissues wounds of the head region, wound complications. Facial paralysis, fractures of the head region, cornual deformations, fracture and luxation of the horn, actinomycosis).			
3	Diseases of nose and nasal cavity, sinusitis, disease of the air sac. Stomatology.			
4	Cerebrospinal, larynx, pharynx, soft tissues			
Activites		Number	Duration (hour)	Total Work Load (hour)
Theoretical	vertebrae and diseases of the tail.	14	2.00	28.00
5	Wounds of the abdominal wall and wound			
Practicals/Labs		0	0.00	0.00
Self study	Diseases of the abomasum.	14	4.00	56.00
Homeworks		1	4.00	4.00
Projects	Normal and abnormal posture of the forelimbs	0	0.00	0.00
Field Studies		0	0.00	0.00
Midterm exams	anomalies, orthopaedic horse shoeing. Congenital and acquired flexor tendon	1	1.00	1.00
Others		0	0.00	0.00
Final Exams	Diseases of the shoulder region (lameness, laminitis, osteoarthritis, luxation and subluxatio humeri.	1	1.00	1.00
Total Work Load				90.00
Total work load/ 30 hr				3.00
ECTS Credit of the Course				3.00
9	Diseases of the elbow and carpal region (paralysis of the radial nerve, bursitis olecranii, arthritis-arthrosis cubiti, fracture of the antebrachium, epiphysitis, wounds of the carpal region, precarpal bursitis, carpal hygroma, carpalis, fracture of ossa carpi)			
10	Diseases of the femoral region, wounds of the sacral region, haematomas, tumours, diseases of the hip joints, fracture of the femur, paralysis of the quadriceps muscle, paralysis of the tibial, fibular, obturatory nerves, thrombosis of the iliac artery/ies)			

11	Diseases of the stifle, tibia and tarsus region (gonitis, gonotrochosis, patella luxation, fracture of the patella, bursitis, diseases of the tibial region and surrounding soft tissues, fracture of the tibia and fibula, rupture of the fibularis tertius muscle, rupture of tendon calcanei, spastic paresis, tarsitis, fractures of the tarsal bones, luxation, tarsal hygroma, OCD)	
12	Diseases of the metacarpus and metatarsus region (wounds, fractures, exostosis, periostitis, ringbone, soreshine, tendinitis, tendovaginitis, arthritis)	
13	Foot and claw diseases of the horse (laminitis, pododermatitis, shoeing faults, foreign bodies of the sole, hoof cracks, narrowed/sheared heels)	
14	Foot and claw diseases of cattle, sheep, goat and pig (laminitis and its complications, digital/interdigital dermatitis, interdigital necrobacillosis, panaritium)	

22	Textbooks, References and/or Other Materials:	<ul style="list-style-type: none"> - Equine surgery, Auer JA, Stick JA, 1999 - Handbuch Pferde Praxis, Dietz O, Huskamp B., 1999 - Veterinary Medicine, Radostitis, O.M., London, 2004 - Krankheiten des Rindes, Rosenberger G, 2002 - Özel Cerrahi, Samsar E, Akin F, 2002 - Farm Animal Surgery, Fubini SI, Ducharme NG, 2004 - Techniques in Large Animal Surgery, Turner SA, McIlwraith, CW, 2004 - Bovine Medicine Diseases and Husbandry of Cattle, Andrews AH et al, 2004 - Ruminant Cerrahisi, Görgül OS, 2007 - Büyük Hayvan Cerrahisi, Görgül O.S., Seyrek-İntaş D., Çeçen G., 2013
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23	Assesment
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TERM LEARNING ACTIVITIES	NUMBER	WEIGHT
Midterm Exam	1	30.00
Quiz	1	10.00
Home work-project	0	0.00
Final Exam	1	60.00
Total	3	100.00
Contribution of Term (Year) Learning Activities to Success Grade		40.00
Contribution of Final Exam to Success Grade		60.00
Total		100.00
Measurement and Evaluation Techniques Used in the Course	Written and Test	

24	ECTS / WORK LOAD TABLE
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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	5	5	5	5	5	5	5	5	5	5	1	0	0	0	0
ÖK2	3	1	1	1	5	2	5	5	2	4	5	1	0	0	0	0

ÖK3	2	5	5	5	2	2	5	5	4	3	5	5	0	0	0	0
ÖK4	2	5	4	2	5	1	5	5	5	3	5	1	0	0	0	0
ÖK5	1	1	3	3	1	3	5	5	3	1	5	5	0	0	0	0
ÖK6	2	5	3	5	3	5	5	5	5	5	5	1	0	0	0	0
ÖK7	5	5	5	5	5	5	5	5	5	5	5	1	0	0	0	0
ÖK8	2	2	5	5	1	2	5	5	5	3	5	4	0	0	0	0
ÖK9	4	3	4	3	5	4	4	3	4	3	3	1	0	0	0	0
ÖK10	3	3	5	4	3	4	4	5	5	4	4	3	0	0	0	0

LO: Learning Objectives PQ: Program Qualifications

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