



NEAR EAST UNIVERSITY
Faculty of Veterinary Medicine Course Teaching Plan

1.	Name of the Course	SPORT HORSE SURGERY
2.	Course Code	VTE448
3.	Course Type	Elective
4.	Course Level	Undergraduate
5.	Year	4
6.	Semester/Term	Spring, 8VET
7.	ECTS credits	2
8.	National Credits	2
9.	Theory (hours/week)	1h/week
10.	Practice (hours/week)	2h/week
11.	Prerequisites	None
12.	Other Recommended Considerations for the Course	None
13.	Course Language	English
14.	Teaching type	Face to face
15.	Course Coordinator	Prof. Dr. Deniz SEYREK-İNTAŞ
16.	Other Lecturers	None
17.	Coordinator's Contact Information	Near East University, Faculty of Veterinary Medicine Surgery Department, Nicosia / TRNC Cell phone: 0532 856 49 12, e-mail: deniz.seyrekintas@neu.edu.tr
18.	Website of the course	Under construction
19.	Objectives of the Course	It is aimed to teach the diagnosis and treatment of surgical diseases seen in sports horses, common problems in practice and special topics in equine surgery, which are not included in the "Large Animal Surgery" course.

20.	Contribution of the Course to Professional Development	Especially by teaching equine surgery under field conditions to the physicians who will work in the field of sports horse medicine in a unique way, by deepening the knowledge on locomotor, gastro-intestinal, respiratory system and foot diseases that are frequently encountered in sports horses, and by deepening the knowledge on horseshoes, and the diagnosis, treatment and perioperative periods (intensive care) of surgical diseases of these systems will provide advanced information on equine health care and rehabilitation, and ensures the training of conscious, knowledgeable and skilled equine physicians.
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21.	Students' Learning Outcomes	LO1	The student knows how to diagnose and treat common surgical diseases in sports horses with their species-specific features.
		LO2	Thanks to advanced knowledge on foot diseases and horseshoeing methods, the student becomes able to guide the blacksmith in situations that require normal and orthopaedic shoeing.
		LO3	The student knows the decision criteria for operation in diseases of different systems in sports horses, general principles of operative surgery, procedures in peri- and postoperative periods.
		LO4	The student learns how to use this information in situations encountered under field and clinical conditions

21.	Course Content	WEEK	THEORETICAL COURSE CONTENT	PRACTICE CONTENT
		1.	Relationship between leg conformation and racing performance and correction of leg conformation faults with surgery and/or orthopaedic shoeing, distribution and incidence of racing-related injuries	Practices on the subjects at the horse clinic to be built or on a horse farm (Arapköy, other..), as the conditions allow, questions and answers.
		2.	Foot balance, shoeing errors, operative treatment methods in diseases of the horn capsule and coronary region (nail cracks, coronet wounds, coronary-parachondral phlegmon, hoof nail penetration /pressure/ etc.)	Practices on the subjects at the horse clinic to be built or on a horse farm (Arapköy, other..), as the conditions allow, questions and answers.
		3.	Orthopaedic shoeing and operative treatment methods in diseases of the sole, heel and frog(sole/heel bruising, narrow heels, sheared heels etc.)	Practices on the subjects at the horse clinic to be built or on a horse farm (Arapköy, other..), as the conditions allow, questions and answers.
		4.	Orthopaedic shoeing, conservative and operative treatment methods in laminitis and other diseases of the pododerma	Practices on the subjects at the horse clinic to be built or on a horse farm (Arapköy, other..), as the conditions allow, questions and answers.

		5.	Diagnosis with special examination methods, prognosis and operative treatment methods in diseases of the bones and joints of the foot (phalanx fractures, ringbone, arthritis, etc.)	Practices on the subjects at the horse clinic to be built or on a horse farm (Arapköy, other..), as the conditions allow, questions and answers.
		6.	Diagnosis with special examination methods and operative interventions in joint and bone diseases of the extremities (arthritis, synovial hernia, joint mice, OCD, sore shins, exostoses, etc.)	Practices on the subjects at the horse clinic to be built or on a horse farm (Arapköy, other..), as the conditions allow, questions and answers.
		7.	Diagnosis with special examination methods and operative interventions in tendinitis and muscular diseases (tendinitis, tendon wounds and ruptures, tendovaginitis, desmitis, myositis etc.)	Practices on the subjects at the horse clinic to be built or on a horse farm (Arapköy, other..), as the conditions allow, questions and answers.
		8.	Clinical presentation, diagnosis with specific examinations, differential diagnosis, prognosis and treatment options in neurological diseases (peripheral nerve lesions, spinal cord lesions, cerebral lesions, spinal ataxia)	Practices on the subjects at the horse clinic to be built or on a horse farm (Arapköy, other..), as the conditions allow, questions and answers.
		9.	Operative treatments of skin and other soft tissue lesions (wounds, bursitis, etc.), reconstructive surgery methods, dressing applications	Practices on the subjects at the horse clinic to be built or on a horse farm (Arapköy, other..), as the conditions allow, questions and answers.
		10.	Preoperative evaluation of colic and determination of prognosis, changes in pathological condition (definition, classification and differential diagnosis) operation decision	Practices on the subjects at the horse clinic to be built or on a horse farm (Arapköy, other..), as the conditions allow, questions and answers.
		11.	Perioperative preparations, intensive care and post-operative rehabilitation for major operations in equines	Practices on the subjects at the horse clinic to be built or on a horse farm (Arapköy, other..), as the conditions allow, questions and answers.
		12.	Detailed information about laparotomy principles and some operative techniques (laparoscopy, enterotomy, enterectomy, anastomoses, etc.)	Practices on the subjects at the horse clinic to be built or on a horse farm (Arapköy, other..), as the conditions allow, questions and answers.

		13.	Surgical diseases of the respiratory system (soft palate diseases, roaring, ethmoidal hematoma), endoscopic examination findings and operative treatment interventions	Practices on the subjects at the horse clinic to be built or on a horse farm (Arapköy, other..), as the conditions allow, questions and answers.
		14.	Endoscopic examination findings and operative treatment interventions in surgical diseases of the respiratory system (larynx, epiglottis, air sac diseases)	Practices on the subjects at the horse clinic to be built or on a horse farm (Arapköy, other..), as the conditions allow, questions and answers.
22.	Textbooks, References and/or Other Sources	1. Equine Surgery Advanced Techniques, McIlwraith CW, Turner AS, 1987. 2. The Athletic Horse, Hodgson DR, Rose RJ, 1994. 3. Equine Surgery, Auer J, Stick JA, 1999. 4. Adams' Lameness in Horses, Stashak T, 2000. UZEM also provides links to some useful information and videos that can be found on the internet.		

23.	Evaluation	SEMESTER STUDIES	NUMBER	PERCENTAGE OF CONTRIBUTION
		Midterm exam	1	40
		Quiz	-	
		Assignments, Performances	-	
		Final exam	1	60
		Total	2	100
		Evaluation Approaches	Exams are made in written form as multiple choice and/or classic (short answer) questions.	

24.	ECTS / Student's workload	Activity	NUMBER	Time [hours]	Total workload [hours]
		Class hours (theoretical)	14	1	14
		Practical hours	14	2	28
		Out of Class Study Time (Pre-study, reinforcement)	14	1	14
		Assignments, Performances	-	-	-
		Projects	-	-	-
		Field studies	-	-	-
		Midterm exams	1	2	2
		Other	-	-	-
		Final exams	1	2	2
		Total workload			60
		Total workload / 30 hours			60/30
		ECTS credits of the lecture			2

