

Module title:	Equine Surgery	ECTS	4
Polish translation:	Chirurgia koni		
Course:	Veterinary Medicine		

Module language: English		Stage: JM-FVM	
Form of studies: <input checked="" type="checkbox"/> intramural <input type="checkbox"/> extramural	Type of module: <input type="checkbox"/> basic <input type="checkbox"/> mandatory <input checked="" type="checkbox"/> directional <input type="checkbox"/> elective	Semester: 08.....	<input type="checkbox"/> winter semester <input checked="" type="checkbox"/> summer semester
Academic year: 2022/2022		Catalogue number:	FVM-JMSS-V-D016/2_22

Module coordinator:	dr hab. Bernard Turek, prof. SGGW			
Teachers responsible for the module:	Academic teachers of the Institute Of Veterinary Medicine; Department of Large Animal Diseases and Clinic; PhD students in accordance to the internal legal acts; visiting professors; other specialists in the field of study			
Course description:	<p>15 hours of lectures;</p> <ol style="list-style-type: none"> 1. Conformation and lameness, lameness examination 2. Diagnostic analgesia of the nerves in limbs 3. Diagnostic analgesia of the joints 4. Angular limbs deformities in foals. Diagnosis and treatment 5. General anaesthesia, complications 6. Castration, methods, complications 7. Cryptorchidism – diagnosis and methods of treatment 8. Fractures in horses. First aid, how to prepare the horse for the transport 9. Principles of mandibular fracture repair 10. Tendinitis and flexural deformities of the limbs 11. Pathologies of joints. Anatomy. Septic arthritis, osteochondrosis, osteoarthritis 12. Chosen aspect of tooth surgery; tooth extraction; EOTHR syndrome, the new techniques for teeth extraction. 13. Diagnosis of colic; therapy: explorative laparotomy 14. Diagnosis and therapy of upper respiratory tract diseases including hemiplegia larynges, DDSP, epiglottic entrapment, tracheotomy 15. Basic problems of the eyes (recurrent uveitis, corneal ulceration) <p>45 hours of classes;</p> <ol style="list-style-type: none"> 1. Hoof trimming, posttraumatic pododermatitis 2. Chronic laminitis 3. Wounds – diagnosis and treatment 4. Tendons pathologies – tendonitis, flexural deformities 5. Tumors of the skin – sarcoids, melanomas, papillomatosis, squamous cell carcinoma 6. Teeth examination. How to recognise the age? Teeth rasping 7. Paranasal sinuses diseases 8. Colic examination – when to go for surgery? 9. Elements of general anesthesia, equipment 10. Eye and adnexa examination – how to perform the examination? 11. Fractures of P1 and condylar fractures of MC III 12. Castration 13. Splint bones problems – diagnosis, conservative and surgical treatment 14. Diagnostic analgesia of the distal limb 15. Lameness examination 			
Teaching forms, number of hours:	<ol style="list-style-type: none"> a) Lectures; hours 15; b) Clinical laboratories; hours 15; c) Laboratories 30 			
Teaching methods:	<p>Exercises conducted directly by the patients of the Clinic. Laboratory exercises on the cadavers (limbs and heads of the horses). Multimedia presentations.</p> <p>Detailed schedule will be defined by the coordinator of the course at the beginning of semester.</p> <p>Detailed organization of consultations will be defined by the coordinator of the course at the beginning of semester.</p>			
Formal prerequisites and initial requirements:	Animal Anatomy, Histology and Embryology, Animal Physiology, Immunology, Pharmacology, General surgery and anesthesiology			
Learning effects	Course outcomes:	Learning outcomes relative to the course outcomes	Impact on the course outcomes*	
Knowledge:	1	mastering the knowledge of the etiopathogenesis, diagnosis and treatment of equine diseases that require surgical treatment	B.W.3, B.W.5	2
	2	mastering the principles of the castration of stallions	B.W.11, B.W.12, B.W.13, B.W.14	3

Skills:	1	To treat the wounds	B.U.10, B.U.13, B.U.19, B.U.21	3
	2	mastering the principles of conduct with wound	B.U.10, B.U.13, B.U.19, B.U.21	3
	3	students are able to make an prescription of the radiological picture	B.U.2, B.U.20, B.U.21	2
	4	Properly use the surgical instruments	B.U.2, B.U.20, B.U.21	2
Competences:	1	Execute anamnesis with the aim of gathering detailed information about single animal, stud and their environment.	K.S.1, K.S.2, K.S.4, K.S.5	2
	2	To learn the handling of the horse	K.S.5	1
	3	execute clinical examination, use appropriate instruments and utensils	K.S.1, K.S.2, K.S.4, K.S.5	2
Objectives of the module required to obtain learning effects:	Teaching about the aetiology, diagnostics and treatment of the equine diseases, that require surgical intervention as well as teaching the skills of their diagnostics ant treatment.			
Assessment methods:	Evaluation of practical skills, written test, written exam In case of unforeseen, unusual circumstances mandatory remote teaching and remote assessment methods might be adopted.			
Detail description of assessment methods;	... No extra assessment methods are anticipated.			
Formal documentation of learning outcome:	eHMS entry. Records collected in the course portfolio i.e. individual records of student results, presence lists, database of oral and written questions, written assessments of the students.			
Elements impelling final grade:	Each test contains 50% of the practical material and 50% of the lectures. A final evaluation of learning outcomes of lectures and exercises will be done through a written final exam containing 50% of the practical material and 50% of the material of the lectures. Grading scale; below 60% of correct answers grade 2 (insufficient – the course is not passed), 61-68% grade 3 (sufficient knowledge), 68,1-76% grade 3+ (sufficient +), 76,1-84% grade 4 (good knowledge), 84,1-92% grade 4+ , 92,1-100% grade 5 (very good knowledge)			
Teaching base:	Equine Clinic (Wolica), University cowsheds in Obory, other places in Poland			
Mandatory and supportive materials :	1.. Auer J.A., Stiuk J.A: Equine surgery. Elsevier Saunders, 4th editio, 2012 2. Muir W.W., Hubbell J.A.E.: Equine anesthesia, monitoring and emergency therapy. Elsevier, 2nd edition, 2009. 3. Ross M.W., Dyson S.J.: Diagnosis and management of lameness of the horse, Elsevier Saunders, 1st edition, 2003. 4. Stashak T.S.: Adams lameness in horses. Lea and Febiger, 1987. 5. Turek B., Domino M., Jasiński T.: Equine radiography, handbook for veterinary medicine students. WULS press 2024 ... Relevant scientific publications including those of the module coordinator.			
ANNOTATIONS				

* 3 – complete and detailed, 2 – moderate, 1 – basic.

Quantitative summary of the module:

Estimated number of work hours per student (contact and self-study) essential to achieve presumed learning outcomes of the module - base for quantifying ECTS:	75 h
Total ECTS points, accumulated by students during contact learning:	4 ECTS