

Module title:	Welfare and rehabilitation of horses	ECTS	1
Polish translation:	Dobrostan i rehabilitacja koni		
Course:	Veterinary Medicine		

Module language: English		Stage: JM-FVM	
Form of studies: ☒ intramural ☐ extramural	Type of module: ☐ basic ☒ directional	☐ mandatory ☒ elective	Semester: 11 ☒ winter semester ☐ summer semester
Academic year:		2021/2022	Catalogue number: FVM-V-JMSS-11W-ED08_20

Module coordinator:	Dr Natalia Domańska-Kruppa		
Teachers responsible for the module:	Academic teachers of the Institute of Veterinary Medicine; Department of Large Animal Disease and Clinic; Visiting professors; PhD students in accordance to the internal legal acts; other specialists in the field of study		
Unit responsible for the module:	Institute of Veterinary Medicine, Department of Large Animal Diseases and Clinic		
Faculty in charge:	Faculty of Veterinary Medicine		
Objectives of the module:	The course aims to familiarize students with the practical aspects of horse welfare and rehabilitation. The well being of the horse shall be above the demands of owners, breeders, trainers and veterinarians. Therefore the acceptable conditions of life and use for domesticated horses in a context of housing, feeding, transporting and training should always be taken into account. The aim of the course is also to show students the amount and diversity of horses' rehabilitation techniques. Equine rehabilitation has numerous goals, including assisting in injury recovery, improving patient mobility, alleviating signs of illness, and maintaining health through strength training. When a horse sustains an injury, extensive rehabilitative techniques often are required. Understanding traditional therapies as well as popular alternative therapies can help veterinary technicians involved in equine practice address the concerns of horse owners. The elective consists only of training exercises. <u>Training exercises (6x3 hours and 1x4 hours):</u> 1. Principles of maintenance a horses welfare 2. Potential indications for rehabilitation therapy - physical signs and behavioral changes 3. Traditional rehabilitation therapies - kinesitherapy and therapeutic exercises 4. Traditional rehabilitation therapies - massage therapy and hydrotherapy 5. Traditional rehabilitation therapies - cold and heat therapy 6. Traditional rehabilitation therapies - stretching and taping 7. Alternative rehabilitation therapies		
Teaching forms, number of hours:	a) Clinical exercises: 15 hours		
Teaching methods:	Training exercises: working with animals; observation of horses; practical cases presentations; analysis of horses behaviour; supplementary materials; discussion		
Formal prerequisites and initial requirements:	Passing the courses: Animal anatomy, Animal physiology, Topographic anatomy, Pathomorphology		
Learning outcomes:	Knowledge: 01 - the student knows the basis of horses welfare; 02 - the student knows the principles, safety rules and procedures of kinesitherapy; 03 - the student knows the principles, safety rules and procedures of massage, stretching and taping; 04 - the student knows the principles, safety rules and procedures of hydrotherapy, cold and heat therapy; 05 - the student knows the principles, safety rules and procedures of alternative rehabilitation therapies.	Skills: 01 - the student can conduct an interview and a clinical trial aimed at selecting or excluding the use of rehabilitation technique; 02 - the student can choose a proper rehabilitation technique for the clinical situation; 03 - the student can prepare the horse for rehabilitation; 04 - the student can perform each techniques of rehabilitation therapy; 05 - the student can use scientific sources in assessing the results a rehabilitation therapy.	Competences: 01 - the student is ready to choose rehabilitation technique adequate to the clinical trial; 02 - the student is aware of their knowledge and benefits of using rehabilitation techniques; 03 - the student is aware of the need for continuing education and is ready to deepen knowledge using scientific sources; 04 - the student acquires competence in cooperation with a horses owners, breeders and trainers.
Assessment methods:	Effects - knowledge : 01-05, skills: 01-05, and competences: 01-04 - written test. Written test in the form of a mixed test, a total of 10 to 30 questions (open, to be completed and single/multiple choice) and covers all content of the elective. Students must obtain a minimum of 51% points to pass the test. Apart from the indicated methods of verification of learning outcomes, no additional are envisaged. In a top-down situation, suspending the implementation of classes at the university and the need for distance learning, other methods of verifying the learning outcomes implemented are appropriate to the situation.		

Formal documentation of learning outcomes:	Written test. Entry into the eHMS system and documentation contained in the 'Course File' (individual student assessment cards, attendance lists, the pool of questions for written and oral forms)
Elements impelling final grade:	To verify the learning outcomes: 1. attendance at training exercises, 2. evaluation from the writing test; for writing test the maximum number of points to be obtained (100 points in total) is determined; a number of points is obtained for which a grade is given according to the given criteria - points / grade: <51 - 2; 52-60 - 3, 61-70 - 3+, 71-80 - 4; 81-90 - 4+; > 91 - 5. A student who has not obtained the specified minimum an acceptable number of points from the evaluation of colloquia does not obtain credit for the course.
Teaching base:	stables and riding arenas of IVM and IAS
Obligatory and supportive materials ²³⁾ : Textbooks: 1. Kleven H.K. (2019) Physical Therapy for Horses: An Illustrated Guide to Anatomy, Biomechanics, Massage, Stretching, and Rehabilitation, Trafalgar Square 2. McGovan C. (2016) Animal Physiotherapy: Assessment, Treatment and Rehabilitation of Animals, Wiley-Blackwell 3. Ballow J. A. (2018) 55 Corrective Exercises for Horses: Resolving Postural Problems, Improving Movement Patterns, and Preventing Injury, Trafalgar Square Books 4. McGreevy P. (2012) Equine Behavior: A Guide for Veterinarians and Equine Scientists 2nd Edition, Saunders Ltd. 5. Williams G. et al (2014) Horse Movement: Structure, Function and Rehabilitation, JA Allen Indicated by the teacher of scientific publications in the field of discussed content of education and scientific research conducted in the unit ANNOTATIONS	

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:	25 h
Total ECTS points, accumulated by students during contact learning:	1 ECTS

Learning outcomes of the module relative to the learning outcomes of the subject:

Outcome category	Learning outcomes:	Learning outcomes relative to the course outcomes	Impact on the each for course outcomes
Knowledge	01 - the student knows the basis of horses welfare;	A.W.11, B.W.9	for each 2
Knowledge	02 - the student knows the principles, safety rules and procedures of kinesitherapy;	A.W.10, B.W.4, B.W.6	for each 3
Knowledge	03 - the student knows the principles, safety rules and procedures of massage, stretching and taping;	A.W.10, B.W.4, B.W.6	for each 3
Knowledge	04 - the student knows the principles, safety rules and procedures of hydrotherapy, cold and heat therapy;	A.W.10, B.W.4, B.W.6	for each 3
Knowledge	05 - the student knows the principles, safety rules and procedures of alternative rehabilitation therapies.	A.W.10, B.W.4, B.W.6	for each 3
Skills	01 - the student can conduct an interview and a clinical trial aimed at selecting or excluding the use of rehabilitation technique;	B.U.1, B.U.2, B.U.3	for each 2
Skills	02 - the student can choose a proper rehabilitation technique for the clinical situation;	A.U.19, B.U.1, B.U.13, B.U.20	for each 3
Skills	03 - the student can prepare the horse for rehabilitation;	A.U.19, B.U.1, B.U.13	for each 3
Skills	04 - the student can perform each techniques of rehabilitation therapy;	A.U.19, B.U.1, B.U.13	for each 3
Skills	05 - the student can use scientific sources in assessing the results a rehabilitation therapy.	A.U.1, A.U.21, B.U.7, C.U.3	for each 2
Competences	01 - the student is ready to choose rehabilitation technique adequate to the clinical trial;	KS.1, KS.2, KS.5	for each 3
Competences	02 - the student is aware of their knowledge and benefits of using rehabilitation techniques;	KS.1, KS.2, KS.4, KS.5	for each 2
Competences	03 - the student is aware of the need for continuing education and is ready to deepen knowledge using scientific sources;	KS.4, KS.8	for each 2
Competences	04 - the student acquires competence in cooperation with a horses owners, breeders and trainers.	KS.3, KS.5, KS.6, KS.7, KS.9	for each 3