

Module title:	Rotation - Equine infectious diseases	ECTS	1
Polish translation:	Staż z chorób zakaźnych 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 checked="" type="checkbox"/> directional <input checked="" type="checkbox"/> mandatory <input type="checkbox"/> elective	Semester: 10	<input type="checkbox"/> winter semester <input checked="" type="checkbox"/> summer semester
Academic year:	2020/2021	Catalogue number:	FVM-V-JMSS-10S-D17/4_20

Module coordinator:	dr hab. Lucjan Witkowski, prof. SGGW		
Teachers responsible for the module:	Academic teachers of the Institute of Veterinary Medicine; Division of Veterinary Epidemiology and Economics; PhD students in accordance to the internal legal acts; visiting professors; other specialists in the field of study		
Unit responsible for the module:	Institute of Veterinary Medicine, Division of Veterinary Epidemiology and Economics		
Faculty in charge:	Faculty of Veterinary Medicine		
Objectives of the module:	<p>The aim of the course is to familiarize students with practical aspect of:</p> <ul style="list-style-type: none"> - legal regulations and documentation related to horse movement – 1 h - principles of biosecurity and prevention of equine infectious diseases – 1 h - methods of clinical and laboratory diagnosis of equine infectious diseases – 5 h - disease control and management – 1 h <p>Rotation are extramural. According situation and possibilities are placed in selected horse farms, horse clinics and during horse events. Farm managers, breeders and local equine veterinarians are involved in the rotation activities.</p> <p>The content of the internship classes is complementary to the content of lectures and seminars on equine infectious diseases.</p>		
Teaching forms, number of hours:	a) Field exercises; hours 8;		
Teaching methods:	<p>Introduction in the horse farm organization, herd management (biosecurity protocols, deworming and prophylaxis protocols). Work with documentation: farm veterinary documentation, horse passport and health documents</p> <p>Direct contact with horses: clinical examination of animals, collection of material for laboratory tests, performing veterinary procedures</p> <p>Consultations (1h/week) Detailed schedule of rotation and detailed organization of consultations will be defined by the coordinator of the course at the beginning of semester.</p>		
Formal prerequisites and initial requirements:	Following courses completed: Veterinary epidemiology, Immunology, Clinical and laboratory diagnostics, Virology, Veterinary microbiology, Pathomorphology, Animal pathophysiology, Farm infectious diseases, Equine infectious diseases		
Learning outcomes:	<p>Knowledge:</p> <p>The student has basic knowledge of equine infectious diseases, including:</p> <ol style="list-style-type: none"> 1. knowledge and understanding of epidemiological nomenclature 2. knowledge and understanding of principles of conducting epidemiological investigation 3. The student knows the pathogenesis of infectious disease 4. The student understands the routes of transmission of infectious diseases 5. The student knows and understands the principles of treatment of infected animals 6. The student knows the principles of prevention of infectious diseases (general and specific) 7. The student knows the global and national databases containing information on the occurrence of infectious diseases subject to notification 	<p>Skills:</p> <ol style="list-style-type: none"> 1. The student knows how to diagnose particular equine infectious disease 2. The student is able to plan and implement appropriate treatment of equine infectious diseases 3. The student is able to plan and implement proper general and specific prevention of infectious diseases 4. The student is able to eradicate equine infectious diseases 5. The student is able to use scientific resources in solving clinical problems 	<p>Competences:</p> <ol style="list-style-type: none"> 1. The student is ready to perform differential diagnosis of infectious diseases of farm animals 2. The student is ready to eradicate infectious diseases in accordance with legal regulations 3. The student is aware of his/her knowledge, understands the necessity of consultancy and is prepared to share the competencies with the veterinary team and the animals' owner 4. The student is aware of the necessity of constant education

Assessment methods:	<p>Attendance in rotation is mandatory. In case of absence student can participate in rotation with another group. However, due to the limited number of people which may participate in rotation it is necessary to contact the course coordinator.</p> <p>The obligatory condition for participation in the rotation are:</p> <ul style="list-style-type: none"> • valid life and accident insurance (ubezpieczenie NNW in Polish) • awareness of health and safety rules during any contact with animals • awareness of biosecurity rules <p>The final evaluation depends on attendance and student's activity during rotation: clinical examinations of horses, cases discussion, horse passport and health documents and clinical cases discussion during the rotation – the scale 0-2 points</p> <p>0-5 points – 2.0 6 points - 3.0 7 points - 3.5 8 points - 4.0 9 points - 4.5 10 points - 5.0</p> <p>No extra assessment methods are anticipated.</p> <p>In case of unforeseen, unusual circumstances mandatory remote teaching and remote assessment methods might be adopted.</p>
Formal documentation of learning outcomes:	eHMS entry. Records collected in the course portfolio (general rules of the course, students' presentations, database of written questions, written final tests)
Elements impelling final grade:	The final evaluation depends on the number of points received during the rotation – 100%
Teaching base:	Rotation are extramural. According situation and possibilities are placed in selected horse farms, horse clinics and during horse events. Detailed schedule of the rotation will be defined by the coordinator of the course at the beginning of semester
<p>Mandatory and supportive materials:</p> <p>Mandatory</p> <ol style="list-style-type: none"> 1. "Equine infectious diseases" 2nd edition, D. C. Sellon & M. T. Long, Saunders, 2013 2. "Equine infectious diseases" 1st edition, D. C. Sellon & M. T. Long, Saunders, 2007 3. "Infectious Diseases of the Horse: Diagnosis, pathology, management, and public health", JH van der Kolk & EJB Veldhuis Kroeze, Oxford University Press USA, 2013 4. "Infectious Diseases of the Horse" Tim S. Mair, R. E. Hutchinson, Equine Veterinary Journal Ltd., 2009 <p>Supportive</p> <ol style="list-style-type: none"> 1. www.oie.int 2. www.aaep.org 3. www.defra.gov.uk 4. www.isid.org 5. www.thehorse.com 6. www.beva.org.uk 7. Relevant scientific publications, including those of the module coordinator. 	
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 each of course outcomes
Knowledge 1	The student knows and understands epidemiological nomenclature	A.W.20	2
Knowledge 2	The student knows the principles of conducting epidemiological investigation	A.W.15, B.W.4, B.W.5, B.W.6	3
Knowledge 3	The student knows the pathogenesis of infectious diseases	A.W.2, A.W.5, A.W.10, A.W.12, A.W.11, B.W.1	3
Knowledge 4	The student understands the routes of transmission of infectious diseases	A.W.13	3

Knowledge 5	The student knows and understands the principles of treatment of infected animals	A.W. 16 A.W. 17, B.W. 3	1 3
Knowledge 6	The student knows the rules of prevention of infectious diseases (general and specific)	A.W. 13, B.W. 3	3
Knowledge 7	The student knows the global and national databases containing information on the occurrence of notifiable infectious diseases	C.W.2	3
Skills 1	The student is able to diagnose particular equine infectious disease	A.U.4, A.U.10, A.U.14, B.U.2, B.U.6, B.U.16	3
Skills 2	The student is able to plan and implement appropriate treatment of equine infectious diseases	A.U.11, B.U.9, B.U.13	3
Skills 3	The student is able to plan and implement proper general and specific prevention of equine infectious diseases	B.U.21	3
Skills 4	The student is able to eradicate equine infectious diseases	B.U.8, B.U.19	3
Skills 5	The student is able to use scientific resources in solving clinical problems	A.U.21; A.U.23 B.U.20	3
Competences 1	The student is ready to perform differential diagnosis of equine infectious diseases	K.S.1, K.S.2, K.S.4, K.S.5	3
Competences 2	The student is ready to eradicate infectious diseases in accordance with legal regulations	K.S.1, K.S.2, K.S.4, K.S.5, K.S.11	3
Competences 3	The student is aware of his/her knowledge, understands the necessity of consultancy and is prepared to share the competencies with the veterinary team and the animals' owner	KS.1; KS.2; KS.3; KS.4; KS.7; KS.8; KS.9 KS.5; KS.6	3 2
Competences 4	The student is aware of the necessity of constant education	KS.1; KS.2; KS.4; KS.6; KS.7; KS.8 KS.5; KS.9	3