Module code	M_WE_ SEM11 PW 1G/2G DIAG KON	
Field of study	Veterinary medicine	
Module name	Diagnostic Imaging in Horses	
	Obrazowanie diagnostyczne u koni	
Language of instruction	English	
Module type	elective	
Level of studies	Long-cycle Master's Degree studies	
Mode of study	Full-time	
Year of study in the field of study	V	
Semester of study in the field of study	IX	
ECTS credits, divided into contact/non-	1 (0.6/0.4)	
contact hours		
Academic title/degree, name of the	dr. n. vet. Agnieszka Pomorska-Zniszczyńska	
person responsible for the module	Department and Clinic of Internal Animal Discours to goth on with	
Unit teaching the module	Department and Clinic of Internal Animal Diseases together with	
	Department and Clinic of Animal Reproduction, Faculty of	
NA advila advisantiva	Veterinary Medicine, Lublin University of Life Sciences	
Module objective	Familiarizing students with the specifics of diagnostic imaging, i.e.	
	Ultrasound of joints, soft tissues and individual organs, X-ray of	
	bones and joints and endoscopic techniques, in technical,	
The leave in a subsequent for the constitute	diagnostic and legal terms	
The learning outcomes for the module	Knowledge:	
include a description of the knowledge,	K1. Knows the health and safety regulations for working with	
skills and social competences that the	horses and the health and safety regulations of the radiology	
student will gain after completing the module.	laboratory, the legal aspects concerning responsibility for the	
module.	examination performed	
	K2. Knows the principles of X-ray and ultrasound examination of	
	different parts of the horse's body and the rules of their	
	interpretation	
	Skills:	
	S1. Is able to properly position the horse for x-ray examination and	
	adjust equipment parameters to take x-ray images of specific body	
	areas	
	Social competences:	
	C1. Is prepared to take responsibility for the decisions made in	
Drogo suicitos and additional	diagnostic imaging of horses	
Prerequisites and additional	according to the sequence of subjects	
requirements		

			1
List of core and supplementary literature	Health and safety rules in the radiology lab, health and safety rules in handling horses. Technical aspects of positioning a horse for x-ray examination. Preparing a patient for the ultrasound examination. Recognizing different physiological variants on x-ray images. Recognizing pathological lesions on x-ray of individual body parts. Recognizing pathological lesions in the ultrasound examination of different parts of the body. Recognizing disease symptoms related to the musculoskeletal system. X-ray examination of the joints and bones of the extremities. Ultrasound examination of tendons and joints of the extremities. X-ray and ultrasound examination of the spine. Radiologic examination of the horse's oral cavity. Diagnostic imaging of the respiratory, circulatory systems. Abdominal X-ray examination of foals. Abdominal ultrasound of foals and adult horses. Modern methods used in diagnostic imaging of horses.  1. Equine clinical radiology. Janet A. Butler, Christopher M. Colles,		
literature	Sue J. Dyson, Svent E. Kold and Paul 2  2 Veterinary Diagnostic Imaging: The		los C. Farrow
			ies s. rairow.
Planned forms/activities/teaching	3. Equine Diagnostic Ultrasound. Virginia B. Reef.  Didactic methods: multimedia presentations, practical exercises,		
methods	discussion, presentation and discussion of clinical cases.		
Verification methods	K - final course credit will be awarded on the basis of positive		
	results obtained from 3 partial credit of written open-ended questions, wi topics.  S - assessment of self-performed pro (clinical examination, diagnostic proposal) by the instructor twice dur C - participation in the discussion Grading scale according to Book of E	Il be given aft cedures cedure, treatr ing the seme	er every five ment process ster.
ECTS credits		Hours	ECTS
	Practical classes	14	0.56
	colloquium in practical classes	1	0.04
	TOTAL contact hours	15	0.6
	preparation for classes	6	0.24
	learning from books	4	0.16
	TOTAL non-contact	10	0.4
The workload of activities that require	attendance at practical classes	14	0.56
direct participation of an academic	colloquium in practical classes	1	0.04
teacher	TOTAL with direct involvement of	15	0.6
Polotion of module learning systems	the teacher		
Relation of module learning outcomes	K1-WE_W18++		
to major learning outcomes	K2-WE_W22++ \$1.WE_U20++		
	S1-WE_U20++		
	C1- WE_K1++		

Elements and values affecting final	Partial credits (10% weighting)
grade	Credit pass for practical skills (20% weighting)
	Final credit (70% weighting)