Module code	M_WE_SEM7 PARASITE ST		
Field of study			
Module name	Veterinary medicine Internship –parasitology		
Wodule Harrie	Parazytologia - staż		
Language of instruction	, <u> </u>		
Module type	English		
Level of studies	obligatory Long cycle Master's degree programme		
Mode of study	Long-cycle Master's degree programme full-time		
Year of study in the field of study	IV		
Semester of study in the field of	VII		
study	VII		
ECTS credits, divided into	1 (0.5/0.5)		
contact/non-contact hours	1 (0.5/0.5)		
Academic title/degree, name of the	Krzysztof Tomczuk prof. dr. hab.		
person responsible for the module	Kizysztor Tomiczak prof. ar. nab.		
Unit teaching the module	Department of Parasitology and Fish Diseases		
onic teaching the module	Subdepartment of Parasitology and Invasive Diseases		
Module objective	Acquisition of practical skills concerning parasitological diagnostics		
Wiodaic objective	of various animal species and the environment.		
	Acquisition of skills in practical parasite differentiation isolated		
	during the performance of parasitological dissection.		
The learning outcomes for the	Knowledge:		
module include a description of the	K1. Knows the equipment, range of tests performed, and health and		
knowledge, skills and social	safety rules in a parasitology laboratory		
competences that the student will	K2. Knows the basic diagnostic methods necessary for parasitological		
gain after completing the module.	diagnosis.		
	Skills:		
	S1.Is able to perform basic parasitological examination and interpret		
	the result		
	Social competences:		
	C1. The student is aware of the dangers of parasitic zoonoses.		
Preliminary and additional	Sequentiality		
requirements			
Module programme content	Discussion on health and safety rules in the diagnostic laboratory.		
	Familiarisation with basic parasitology laboratory equipment.		
	Analysis of morphological features of parasites for differentiation.		
	Morphological differentiation of dispersal forms of parasites. Fecal		
	examination - macroscopic, -microscopic (thin layer smear, stained		
	smear, flotation, decantation, decantation-flotation method,		
	quantitative methods using MC Master chambers). Smear taking and		
	analysis as part of parasitological diagnosis. Differentiation of		
	parasite dispersion forms typical of individual animal species and		
	non-parasitic forms. Larvoscopic methods, Culture of nematode		
	larvae. Scraping examination, Mucus and blood tests for parasites,		
	Serological tests, Isolation of genetic material. Parasitological testing		
	of environmental samples .		
	Analysis of pathological changes during parasitological dissection.		

List of basic and supplementary	1. Principles of Veterinary Parasi			
literature	Lynda Gibbons, Carlos Hermosilla. ISBN: 978-0-470-67042-2 2. Animal Parasites: Their Biology and Life Cycles. O. Wilford Olsen.			
	Burgess, Minneapolis, Minn.			
	3. Nematode Parasites of Vertebrates. Their Development and			
	Transmission. Anderson, R. C. CABI Publishing, Wallingford UK. 2000.			
	672. ISBN 0-85199-421-0			
	4. Clinical Parasitology. Zeibig Elizabeth. 9781416060444			
	5. Basic Clinical Parasitology. Harold W. Brown, Franklin A. Neva. ISBN-10: 9780813820538			
	6. Veterinary Clinical Parasitology 8th Edition. Anne M. Zajac (Editor), Gary A. Conboy (Editor). ISBN-13: 978-0813820538.			
		7. Veterinary Parasitology Reference Manual (Paperback); 2001		
	Edition. William J. Foreyt. ASIN: B01FOD9JM2			
	8. Diagnostic Parasitology for Veterinary Technicians 5th Edition.			
	Charles M. Hendrix DVM PhD (Author), Ed Robinson CVT (Author).			
	ISBN-13: 978-0323389822			
	9. https://www.esccap.org/			
Planned forms/activities/teaching	Exercises, practical classes in groups of 6 persons / including			
methods	performing practical tests in the laboratory including sectioning for parasitological diagnosis/			
Verification methods and ways of	Direct verification of practical skills and knowledge of differentiating			
documenting the achieved learning	forms of parasites - practical performance of diagnostic tasks After			
outcomes.	the internship, practical test: performance of 5 different methods.			
	Differentiation of 5 different dispersion forms			
	Verification of knowledge - 5 questions posed in direct contact			
	regarding the characteristics of dispersive forms of parasites of			
	various animal species. Scale of grades in accordance with the			
	guidelines contained in the book of quality of education.			
	Documentation of the internship progress and credits in internship			
	log. Verification of social competences - discussion			
ECTS cradits	CONTACT	es - discussioi	<u> </u>	
ECTS credits	CONTACT	Hours	ECTS	
	laboratory classes	15	0.4	
	credit makeup test	1	0.1	
	TOTAL contact	16	0.5	
	NON-CONTACT HOURS	10	0.5	
	preparation for laboratory	10	0.3	
	exercises	10	0.5	
	exam preparation	5	0.2	
	TOTAL non-contact/ ECTS credits	15	0.5	
The workload of activities that	attendance at lectures			
require direct participation of an	attendance at practical classes	15	0.4	
academic teacher	credit makeup test	1	0.4	
	TOTAL with direct involvement	16	0.1	
	of the teacher	10	0.3	

Relation of module learning	K1,K2 - WE_W06 WE_W07 ,WE_W08 , WE_W16, WE_W18,
outcomes to major learning	WE_W21 +
outcomes	S1- WE_U3, WE_U5, WE_U12 , WE_U14 +
	C1-WE_K 5,WE_K 6 +
Elements and values affecting final	Final grade
grade	50% practical skills
	50% knowledge on differentiation of parasitoses