Module title:	Rotation - laboratory class of parasitology	**ECTS**	**1**
Polish translation:	Staż kliniczny - ćwiczenia laboratoryjne z parazytologii		
Course:	**Veterinary medicine**		

Module language: English			Stage: JM	
Form of studies: ■ intramural ☐ extramural	Type of module: ☐basic ■ directional ☐ accessory ■ rotation ☐ summer practice ■ mandatory ☐ elective		Semester: …10…….. Year 5	☐winter semester ■ summer semester
Academic year:	**Intake 2020/2021**	Catalogue number:	FVM-V-JMSS-10S-R06_20	

Module coordinator:	Dr hab. Maciej Klockiewicz		
Teachers responsible for the module:	dr Maciej Klockiewicz, dr hab. Ewa Długosz, dr Justyna Bartosik, lek. wet. Magdalena Wysmołek		
Unit responsible for the module:	Department of Pre-Clinical Sciences		
Faculty in charge:	Faculty of Veterinary Medicine		
Objectives of the module:	Student applies the knowledge obtained during the course of Parasitology and invasiology. Student performs coprological and other parasitological examinations in laboratory (incl. molecular technics as PCR) to diagnose the infections. Student is able to analyse clinical cases of parasitic infections and resolves true problems found in individual pets, kennel animals and livestock.		
Teaching forms, number of hours:	a) Practicals: 8 h b) Seminars: 7 h c) …		
Teaching methods:	Performing basic parasitological analyses, (incl. molecular evaluations), power point presentations of clinical cases, interactive discussion, consultations		
Formal prerequisites and initial requirements:	Parasitology and invasiology modules 1-2 Knowledge of pharmacotherapy of parasitic diseases, clinical diagnostics, differential diagnosis of infectious and internal diseases of livestock and pet animals		
Learning outcomes:	Knowledge: student explains obtained results student prepares analysis and discusses possible measurements for particular parasitic diseases	Skills: student performs parasitological examinations student formulates protocol for the treatment of particular disease	Competences: …….. ……..
Assessment methods:	01 – results of parasitological examinations 02, 03 – writing an article based on the chosen parasitic clinical problems; it is obligatory to include the review of veterinary literature of the subject. 04 – colloquium – students refers the article and answers the questions concerning clinical parasitology		
Formal documentation of learning outcomes:	Collected electronic versions of the rotation dissertation, internship notebook in “Student’s Daybook of Summer Practice and Clinical Training”, grade in the eHMS.		
Elements impelling final grade:	laboratory work - 20%, dissertation - 40%, colloquium - 40%		
Teaching base:	Parasitological laboratories and seminar room of the Division of Parasitology		

Mandatory and supportive materials :

Textbooks:

1. Taylor M.A., Coop R.L., Wall R.L. Veterinary Parasitology, Blackwell Publishing, 2007.
2. Bowman D.D. Parasitology for Veterinarians. WB Sanders 2000.
3. Kassai T. Veterinary Helminthology. Butterworth-Heinemann, 1999
4. Urquhart G.M. et al. Veterinary Parasitology, Longman Group UK 1987.
5. Georgi J.R., Georgi M.E. Canine clinical parasitology, Lea & Febiger 1992.

ANNOTATIONS

Student’s Daybook of Summer Practice and Clinical Training

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 course outcomes*)
Skills	student performs parasitological examinations	U_PZU1, U_PZU6, U_PZ15	3
Knowledge -	student explains obtained results	WW_NP3, WW_NP6, WW_NP7, WW_NP8, WW_NP10, W_NK7, W_NK8, W_NK9	3
Knowledge	student prepares analysis and discusses possible measurements for particular parasitic diseases	W_NK1, W_NK2, W_NK3, W_NK4, W_NK5, W_NK8, U_PUZ9, U_PZU12, U_PZU18, U_PZU19, K_KP1, K_KP5, K_KP6, K_KP7, K_KP8, K_KP9	3
Skills -	student formulates protocol for the treatment of particular disease	U_OUZ1, U_OUZ2,U_OUZ3, U_OUZ7	3

*)
3 – Significant and detailed,
2 – Partial,
1 – Basic,

WNZ-ZT-1Z-08Z-03_19

Kod Wydziału-Kod kierunku-Kod poziomu i formy-numer semestru Z zimowy L letni-numer przedmiotu w planie semestru_rok akademicki, od którego obowiązuje opis / 2019-2020 →19/

WNZ – Wydział nauk o zwierzętach (kod HMS)

ROL	Rolnictwa i Biologii
WET	Medycyny Weterynaryjnej
LES	Leśny
OGR	Ogrodnictwa, Biotechnologii i Architektury Krajobrazu
BIS	Budownictwa i Inżynierii Środowiska
TDR	Technologii Drewna
WNZ	Nauk o Zwierzętach
EKR	Nauk Ekonomicznych
NoZ	Nauk o Żywności
ZCZ	Nauk o Żywieniu Człowieka i Konsumpcji
WIP	Inżynierii Produkcji
ZIM	Zastosowań Informatyki i Matematyki
WNH	Nauk Społecznych

ZT – zootechnika

A	architektura krajobrazu
B	biologia
BD	budownictwo
BT	biotechnologia
BW	bioinżynieria zwierząt
BZ	bezpieczeństwo żywnosci
D	dietetyka
E	ekonomia
ER	ekologiczne rolnictwo i produkcja żywności
F	finanse i rachunkowość
	weterynaria
GH	gastronomia i hotelarstwo
GP	gospodarka przestrzenna
H	hodowla i ochrona zwierząt towarzyszących i dzikich
IB	inżynieria systemów biotecchnicznych
IE	informatyka i ekonometria
IG	inżynieria i gospodarka wodna
IK	inżynieria ekologiczna
IN	informatyka
IS	inżynieria środowiska
L	logistyka
LS	leśnictwo
M	meblarstwo
O	ogrodnictwo
OR	ochrona zdrowia roślin
OS	ochrona środowiska
P	pedagogika
R	rolnictwo
S	socjologia
TD	technologia drewna
TE	technologie energii odnawialnej
TU	turystyka i rekreacja
TB	towaroznawstwo w biogospodarce
TZ	technologia zywnosci i zywienie człowieka
W	weterynaria
W-N	weterynaria
	weterynaria
Z	zarządzanie
ZC	żywienie człowieka i ocena żywnosci
ZP	zarządzanie i inżynieria produkcji
ZT	zootechnika

1Z – studia I stopnia niestacjonarne

1S – I st., stacjonarne;

2S – II st., stacjonarne;

2Z – II st., niestacjonarne