Syllabus

Module title:	Differential diagnostics based on laboratory results	ECTS	1
Polish translation:	Diagnostyka różnicowa na podstawie badań laboratoryjnych		
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-E52_20

Module coordinator:	dr hab. Marta Mendel prof. SGGW
Teachers responsible for the module:	dr hab. Marta Mendel prof. SGGW
Unit responsible for the module:	Department of Preclinical Sciences, Division of Pharmacology and Toxicology
Faculty in charge:	Faculty of Veterinary Medicine
Objectives of the module:	During the course student acquires advanced information in the field of veterinary laboratory diagnostics, including the knowledge of using the results of laboratory tests for differential diagnostics. The course is focused on the presentation of laboratory diagnostic approaches and interpretation of the results of laboratory tests in various disorders.
Teaching forms, number of hours:	a) Lectures: 15 h b) … c) …
Teaching methods:	Presentation of the selected topics in the different forms, including student activity. Teaching methods involve: analysis of sample results of laboratory tests, finding the best diagnostic approach for problems introduced by a teacher, differential diagnostic considerations using algorithms and tables.
Formal prerequisites and initial requirements:	Animal physiology modules 1-2, Biochemistry modules 1-2, Veterinary pharmacology modules 1-2, Animal pathophysiology, Clinical and laboratory diagnostics modules 1-2 Student should know basic processes in regard to animal physiology and biochemistry
Learning outcomes:	Knowledge: **student knows the diagnostic algorithms used for differential diagnostic consideration** **students describes the importance of the results of laboratory tests**	Skills: students knows diagnostic approach in various disorders	Competences: …………………. ………………….
Assessment methods:	Interpretation of sample laboratory results and presentation of further diagnostic approach at the end of the course. Test.
Formal documentation of learning outcomes:	Signed written test consisting of interpretation of sample laboratory results and presentation of further diagnostic approach. Grade in eHMS.
Elements impelling final grade:	Attendance minimum 80 % of the classes (i.e. 12 out of 15 hours). To pass the exam one must obtain at least 51% of total number of points (at least 5.5 out of 10 points). Failed test can be repeated once. Grading scale: Number of points: / Grade 0 – 5 / 2 (failed) 5.5 – 6.0 / 3 (sufficient) 6.5 – 7.0 / 3.5 (sufficient +) 7.5 – 8.0 / 4.0 (good) 8.5 – 9.0 / 4.5 (very good) 9.5 – 10.0 / 5.0 (excellent)
Teaching base:	Lecture hall of the Faculty of Veterinary Medicine, laboratories of the Division of Pharmacology and Toxicology.
Mandatory and supportive materials :	

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1. Veterinary Laboratory Medicine: Interpretation and Diagnosis. D Meyer, JW Harvey. Saunders, 1992.

2. Small Animal Clinical Diagnosis by Laboratory Methods, 5e.   MD Willard, H Tvedten, Elsevier, 2012.
3. Veterinary Haematology and clinical chemistry. MA Thrall, G Weiser, RW Allison, TW Campbell. Wiley-Blackwell, 2012

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 course outcomes*)
Knowledge -	student knows the diagnostic algorithms used for differential diagnostic consideration	W_NK7, K_KP5, Inne 1	3;3;3
Knowledge -	students describes the importance of the results of laboratory tests	W_NK7, U_PUZ6	3;3
Skills	students knows diagnostic approach in various disorders	U_PUZ6	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