Module title:	Heard health management in small ruminants	ECTS	2
Polish translation:	Zarządzanie zdrowiem stada małych przeżuwaczy		
Course:	**Veterinary Medicine**		

Module language: English		Stage: JM-FVM	
Form of studies: ■ intramural ☐ extramural	Type of module: ☐ basic ☐ mandatory ■ directional ■ elective	Semester: 10	■ winter semester ☐ summer semester
Academic year:	**Intake 2021/2022**	Catalogue number:	FVM-V-JMSS-11W-E31_20

Module coordinator:		dr Małgorzata Wierzbicka		
Teachers responsible for the module:		**Academic teachers of the Institute Veterinary Medicine; Department of Large Animal Diseases and Clinic; PhD students in accordance to the internal legal acts; visiting professors; other specialists in the field of study**		
Course Description:		Students participate in practical lessons on large farms and in University clinic. During lessons students, apply knowledge of internal diseases treatment, clinical and laboratory diagnosis, pathophysiology, pharmacology, anatomy, reproduction and herd health management. Students will be shown clinical cases of herd health problems to identify the disease and present treatment and prevention strategy for the herd.		
Teaching forms, number of hours:		a) Lectures; hours 5; b) Clinical laboratories; hours 25;		
Teaching methods:		Field practice in University clinic and animal farms using veterinary equipment. Discussion, clinical workshops, problem solving and analysis of clinical cases, diagnostic tests and source texts analysis, practical demonstrations Detailed schedule will be defined by the coordinator of the course at the beginning of semester. Detailed organization of consultations will be defined by the coordinator of the course at the beginning of semester.		
Formal prerequisites and initial requirements:		Animal anatomy modules 1-2, Animal physiology modules 1-2, Biochemistry modules 1-2, Animal pathophysiology, Animal husbandry and breeding, Farm animal diseases, Feed hygiene, Clinical and laboratory diagnostics modules 1-2, Veterinary pharmacology modules 1-2, Veterinary microbiology modules 1-2, Veterinary epidemiology Students should perform clinical examination of sheep and goats, and sampling for specific laboratory tests		
Learning effects		Course outcomes:	Learning outcomes relative to the course outcomes	Impact on the course outcomes*
Knowledge:	1	The ability to perform interview to get detailed information on specified case or whole group health status and its environment	W_NK1, W_PZ3, W_PZ4, U_OUZ2, U_PUZ1	3
	2	Perform general and detailed examination of each of internal systems using both the manual methods and additional tools	W_NK3, U_PUZ3, U_PUZ6	3
	3	The ability to assess the status of each of organisms internal systems during diagnostic period and apply adequate treatment	W_NK1, U_OUZ10	3
Skills:	1	Apply adequate methods and tools to clinically diagnose herd health problems	W_NK7, U_PUZ3, U_PUZ6	3
Competences:	1	Prescribe and apply medicaments with application of safety rules of usage and utilisation. Perform and interpret field diagnostic tests	K_KP8, K_KP1, W_NP11, W_NP10	3
Objectives of the module required to obtain learning effects:		Students participate in practical lessons on large farms and in University clinic. During lessons students, apply knowledge of internal diseases treatment, clinical and laboratory diagnosis, pathophysiology, pharmacology, anatomy, reproduction and herd health management. Students will be shown clinical cases of herd health problems to identify the disease and present treatment and prevention strategy for the herd.		
Assessment methods:		Evaluation of student knowledge and practical skills during classes. Case study essay. In case of unforeseen, unusual circumstances mandatory remote teaching and remote assessment methods might be adopted.		

Detail description of assessment methods; Formal documentation of learning outcome:	… No extra assessment methods are anticipated. Practice documentation, essay, grade in eHMS.
Elements impelling final grade:	Students' knowledge and activity during lessons – 50% Essay – 50%
Teaching base:	Farms, University clinic
Mandatory and supportive materials : 1. Bradfort P. Smith. Large animal internal medicine. MOSBY St. Louis London Philadelphia Sydney Toronto, 2005. 2. Steven L. Stockham, Michael A. Scott. Fundamentals of veterinary clinical pathology. Iowa State Press. 2002. 3. Pugh D.G. Sheep and goat medicine. W.B. Saunders Company. Philadelphia, Pennsylvania,2002.	
ANNOTATIONS	

* 3 – complete and detailed, 2 – moderate, 1 – basic.

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:	**30 h**
Total ECTS points, accumulated by students during contact learning:	**1 ECTS**