Syllabus

Module title:	Veterinary of pig herd	ECTS	1
Polish translation:	Diagnostyka chorób na fermie trzody chlewnej		
Course:	Veterinary Medicine		

Module language: English		Stage: JM-FVM	
Form of studies: ■ intramural ☐ extramural	Type of module: ☐ basic ■ directional ☐ mandatory ■ elective	Semester: 10	☐ winter semester ■ summer semester
Academic year:	**2023/2024**	Catalogue number:	FVM-V-JMSS-10S-ED08_22

Module coordinator:	**Dr Piotr Matyba**
Teachers responsible for the module:	**Academic teachers of the Institute of Translational Medicine; PhD students in accordance to the internal legal acts; visiting professors; other specialists in the field of study**
Unit responsible for the module:	**Institute of Translational Medicine**
Faculty in charge:	**Faculty of Veterinary Medicine**
Objectives of the module:	Diagnostics of Pig Diseases covers most important veterinary diagnostic tools used in pig production herds including bacterial, viral and parasitic diseases, reproduction disorders and toxicosis as well as discussion on the most preferred set of diagnostics (e.g., PCR vs. ELISA tests) for particular case. Course starts with practical training of blood sampling and swabs collection, evaluation of post-mortem changes in slaughter houses and autopsies at farm. Then it continues with preparation of cover letter and proper shipping of biological material to diagnostic laboratories, and evaluation of obtained laboratory and autopsy results together with clinical symptoms. Finally, differential diagnostics is performed in order to elaborate the most probable core of the problem.
Teaching forms, number of hours:	a) Lectures; hours 2; b) Field exercises; hours 13.
Teaching methods:	Monographic lecture with visualization in Power Point followed by practical workshops in a pig farm, slaughter house and diagnostic laboratory.. Detailed organization of consultations will be defined by the coordinator of the course at the beginning of semester.
Formal prerequisites and initial requirements:	Animal husbandry and breeding, Technologies in animal production, Veterinary epidemiology, Animal nutrition and feeding Parasitology and invasiology, Veterinary pharmacology, Farm animal diseases, Feed hygiene
Learning outcomes:	01 - students know methods of pig diagnostic; 02 - students know how to sample the biological material and prepare it for shipping to diagnostic laboratory; 03 - students can perform evaluation of laboratory results and serological profiles 04 - students can examine carcasses, and perform autopsy; 05 - students can evaluate collectively the clinical, post-mortem and laboratory results and perform differential diagnostics.
Assessment methods:	Effects 01-05 – oral test during practical classes. In case of unforeseen, unusual circumstances mandatory remote teaching and remote assessment methods might be adopted.
Formal documentation of learning outcomes:	Autopsy and carcasses evaluation protocols, farm evaluation report
Elements impelling final grade:	Effects of studying are verified by: 1. oral test grades, 2. evaluation of student's report; A maximum number of points is ascribed for each of the above items (total 10 points). Weights: 1-50%, 2-50%; Grades criteria: <6 points: 2; 7 points: 3, 8 points: 3+, 9 points: 4; 10 points: 5. No absences allowed.
Teaching base:	lecture halls, laboratories, production farms, slaughterhouse
Reading and supportive materials: 1. Textbooks: Carr J. et al. Pig Health. CRC Press, NY 2018.	
ANNOTATIONS For field classes -protective clothing and individual protection measures in accordance with accepted biosecurity rules.	

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:	**15 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 -	01 - students know methods of pig diagnostic;	B.W.2 B.W.4 B.W.6	3
Skills -	02 - students know how to sample the biological material and prepare it for shipping to diagnostic laboratory;	B.U.6	3
Skills -	03 - students can perform evaluation of laboratory results and serological profiles	B.U.6	2
Skills -	04 - students can examine carcases, and perform autopsy;	B.U.16	2
Skills -	05 - students can evaluate collectively the clinical, post-mortem and laboratory results and perform differential diagnostics.	B.U.6 B.U.16 B.U.20	3