Syllabus

Module title:	Rotation – farm animal diseases	ECTS	4
Polish translation:	Staż kliniczny - choroby zwierząt gospodarskich		
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:	**2023/2024**	Catalogue number:	FVM-V-JMSS-10S-R02_23	

Module coordinator:	dr Michał Trela		
Teachers responsible for the module:	Staff and PhD students of the Department of Large Animal Disease with Clinic, Staff and PhD students of Laboratory of Veterinary Epidemiology and Economics		
Unit responsible for the module:	Department of Large Animal Disease with Clinic		
Faculty in charge:	Faculty of Veterinary Medicine		
Objectives of the module:	Students take part in field workshops on ANR's farms with high number of animals. During workshops students apply knowledge from fields of herd management, reproduction, infectious diseases, internal diseases and surgery. The aim is to provide practical skills required to asses aetiology and pathogenesis of farm animals' diseases requiring surgical, internal or obstetrical treatment, perform clinical diagnosis and examination and apply proper therapeutic procedures.		
Teaching forms, number of hours:	a) Clinical practice: 90h		
Teaching methods:	Practical workshops in the university clinic and farm and in the field with the application of veterinary equipment.		
Formal prerequisites and initial requirements:	Farm animals diseases Knowledge in above-mentioned subject		
Learning outcomes:	Knowledge: Execute clinical examination with the focus on reproductive tract, musculoskeletal system , digestive tract, urogenital system, respiratory system both manually and with the of use appropriate additional methods e.g. instruments and utensils Know proper methods and instruments to diagnose infectious diseases, reproductive tract disorders, internal diseases, and disorders requiring surgical intervention Create clear documentation of clinical cases according to current legal regulations in the form that can be easily understood by other veterinarians or owners Know procedures in case of infectious diseases outbreak and when animal is suspected of reported infectious disease	Skills: Execute anamnesis with the aim of gathering detailed information about single animal, stud and their environment Know how to prescribe and use drugs, medical materials and vaccines according to legal regulations and rules of their safe storage and utilization; provide clinical documentation of each patient Prepare evidence and documentation; use existing files correlated with heard health, animal welfare and herd productivity	Competences: …….. ……..
Assessment methods:	Evaluation of student's activity and knowledge during internship. Project, medical history card, oral/written examination and practical abilities assessment		
Formal documentation of learning outcomes:	Project, internship notebook in `"Student's Daybook of Summer Practice and Clinical Training", medical history card, exam protocol, grade in the eHMS.		
Elements impelling final grade:	Final grade is the mean result of grades from all four disciplines 1- oral examination and practical abilities assessment 50%, observations of student's activity and knowledge 25%, project, medical history cards 25 %.		
Teaching base:	Department of Large Animal Disease with Clinic, Farms, Laboratory of Veterinary Epidemiology and Economics		
Mandatory and supportive materials :			

Textbooks:
1. Handbook of Veterinary Obstetrics / Peter G. G. Jackson ; il. John Fuller ; Saunders Ltd.; 2 edition (July 27, 2004)
2. Veterinary Reproduction and Obstetrics. D.E. Noakes, T.J. Parkinson, G.C.W. England 9th ed. Sauders, Elsevier, 2009
3. Large Animal Theriogenology. R.F. Youngquist, W.L. Threlfall. 2nd ed. Saunders, Elsevier. 2007
4. Pig diseases. D.J. Taylor, St Edmunsbury Press Ltd, Bury St Edmunds, Suffolk 2006
5. Manual of Diagnostic Tests and Vaccines for Terrestial Animals. OIE, 2008
6. Diseases of swine, 10th edition, John Wiley and Sons Inc. 2012, Ed. J.J. Zimmermann, L.A. Karriker, A. Ramirez, K.J. Schawrtz, G.W. Stevenson
7. Large animal internal medicine. Bradfort P. Smith , MOSBY St.Louis London Philadelphia Sydney Toronto, 2005.
8. Sheep and goat medicine. Pugh D.G, W.B. Saunders Company.Philadelphia, Pennsylvania, 2002.
9. Diseases of dairy cattle. Thomas J. Divers, Simon F. Peek, Saunders Elsevier. 2008.
10. Free radicals basics of cattle diseases. Kleczkowski M., Kluciński W., Bartosz G, WPALD and BWLSS. Lomza. 2006.
11. Infectious Diseases of Livestock, 2nd edition, Oxford University Press, Ed. J. A. W. Coetzer, R. C. Tustin

Journals:
Theriogenology, Animal Reproduction Science, Reproduction of Domestic Animals, Biology of Reproduction, Reproduction, Fertility and Sterility, Reproductive BioMedicine Online, Archives of Andrology, Internatiomal Journal of Andrology, Andrology
Supplementary data sources:
1. www.oie.int
2. www.isid.org
3. www.pubmed.com

Annotations:
Student's Daybook of Summer Practice and Clinical Training
The necessary condition for participation in classes is the possession of accident insurance (in Polish: Ubezpieczenie NNW).

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:	**…142……. h**
Total ECTS points, accumulated by students during contact learning:	**……3. 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-	Execute anamnesis with the aim of gathering detailed information about single animal, stud and their environment	U_PUZ1	3
Knowledge/Skills-	Execute clinical examination with the focus on reproductive tract, musculoskeletal system , digestive tract, urogenital system, respiratory system both manually and with the of use appropriate additional methods e.g. instruments and utensils	W_NK5, U_PUZ3	3;3
Knowledge	Know proper methods and instruments to diagnose infectious diseases, reproductive tract disorders, internal diseases, and disorders requiring surgical intervention	W_NK3, W_NK4, W_NK7	3;3;3
Skills -	Know how to prescribe and use drugs, medical materials and vaccines according to legal regulations and rules of their safe storage and utilization; provide clinical documentation of each patient	WW_NP10, WW_NP12, U_OUZ3, U_PUZ10	3;3;3;3
Skills -	Prepare evidence and documentation; use existing files correlated with heard health, animal welfare and herd productivity	U_PUZ17	3
Knowledge/Skills	Create clear documentation of clinical cases according to current legal regulations in the form that can be easily understood by other veterinarians or owners	U_OUZ3	3
Knowledge/Skills	Know procedures in case of infectious diseases outbreak and when animal is suspected of reported infectious disease	W_NK6, U_PUZ8	3;3

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