

Syllabus

Module title:	Mastitis prevention and treatment in dairy herds	ECTS	2
Polish translation:	Profilaktyka i terapia mastitis w stadach krów		
Course:	Veterinary Medicine		

Module language: English		Stage: JM	
Form of studies: <input checked="" type="checkbox"/> intramural <input type="checkbox"/> extramural	Type of module: <input type="checkbox"/> basic <input checked="" type="checkbox"/> directional <input type="checkbox"/> accessory <input type="checkbox"/> rotation <input type="checkbox"/> summer practice	<input type="checkbox"/> mandatory <input checked="" type="checkbox"/> elective	Semester: ...11 Year 6 <input checked="" type="checkbox"/> winter semester <input type="checkbox"/> summer semester
Academic year: 2019/2020		Catalogue number:	FVM-V-JMSS-11W-E59_19

Module coordinator:	dr Michał Trela		
Teachers responsible for the module:	Academic teachers of the Institute of Veterinary Medicine; Department of Large Animal Diseases with Clinic; 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 Veterinary Medicine; Department of Large Animal Diseases and the Clinic		
Faculty in charge:	Faculty of Veterinary Medicine		
Objectives of the module:	The aim of elective courses is to familiarize students with practical aspects of managing a herd of dairy cows in the context of prevention and treatment of mastitis.		
Teaching forms, number of hours:	a) Lectures: 5 h b) Clinical exercises: 25 h		
Teaching methods:	Lectures conducted in Horse Clinic with audio-visual techniques. Field practice in clinic and animal farms using veterinary equipment. Discussion, clinical workshops, problem solving and analysis of mastitis clinical and subclinical cases, diagnostic tests. Microbiological and cytological analysis of acquired material.		
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 Knowledge of the physiology of lactation and metabolic disorder in cattle		
Learning outcomes:	Knowledge: The ability to choose a proper evaluation test Basic and detailed clinical examination of the udder	Skills: Ability to interpret results of additional methods of mastitis diagnosis Ability to apply adequate methods of mastitis treatment Ability to apply adequate methods of mastitis prevention	Competences:
Assessment methods:	The basis for completing the course is the presence and active participation in the implementation of the curriculum, the correct implementation of all the procedures presented. Strategies for controlling and preventing mastitis in the herd 20% of absence is allowed in accordance with the study regulations. Theoretical test, written one or multiple choice test. The second test date is in the same form. Scoring for the written test: 61-69% - (3.0) 70-76% - (3.5) 77-84% - (4.0) 85-92% - (4.5) 93-100% - (5.0) No extra assessment methods are anticipated. In case of unforeseen, unusual circumstances mandatory remote teaching and remote assessment methods might be adopted.		
Formal documentation of learning outcomes:	Exam papers, grade in eHMS		
Elements impelling final grade:	Activity during classes – 50% Exam – 50%		
Teaching base:	Farms, University clinic and field clinics		
Mandatory and supportive materials :	1. Large Animal Theriogenology. R.F. Youngquist, W.L. Threlfall. 2nd ed. Saunders, Elsevier. 2007		

2. Mastitis in Cattle. A. Biggs. The Crowood Press, 2009
 3. Periodicals: Theriogenology, Animal Reproduction Science, Reproduction of Domestic Animals, Biology of Reproduction.

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:	...30..... 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 -	The ability to choose a proper evaluation test	K_KP5, U_PUZ13	3
Knowledge -	Basic and detailed clinical examination of the udder	U_PUZ1, U_PUZ2, U_PUZ3, K_KP2, W_NK4	3;3;3;3
Skills	Ability to interpret results of additional methods of mastitis diagnosis	U_PUZ7, W_NK4, U_PUZ6	3;3;3
Skills	Ability to apply adequate methods of mastitis treatment	U_PUZ7, W_NK4	3;3
Skills -	Ability to apply adequate methods of mastitis prevention	U_PUZ2, U_PUZ13, U_PUZ17, W_NK4	3;3;3;3

*)

3 – Significant and detailed,

2 – Partial,

1 – Basic,