

Module code	M_WE_SEM10 CHZG ST1
Field of study	Veterinary medicine
Module name, also the name in English	Diseases of farm animals - clinical training. Block I Choroby zwierząt gospodarskich– staż. Blok I
Language of instruction	English
Module type	Obligatory
Level of studies	Long-cycle master's degree studies
Form of study	Full-time
Year of study in the field of study	V
Semester of study in the field of study	X
ECTS credits, divided into contact/non-contact hours	2 (1/1)
Academic title/degree, name of the person responsible for the module	Prof. dr hab. Krzysztof Lutnicki
Unit teaching the module	Department of Animal Reproduction, Department of Animal Surgery, Department of Epizootiology and Infectious Diseases, Department of Internal Medicine, University of Life Sciences in Lublin
Module objective	Mastery of practical skills in the diagnosis and treatment of livestock diseases necessary to practice veterinary medicine. Acquisition of practical skills in differential diagnosis, treatment, prevention and control of livestock diseases in field practice in accordance with current legislation.
The learning outcomes for the module include a description of the knowledge, skills and social competences that the student will gain after completing the module.	Knowledge:
	K1 Has knowledge of diagnosis, prevention and treatment of livestock diseases and professional marketing.
	Skills:
	S1 . Is able to take history, conduct clinical examination in accordance with the plan of clinical examination, thoroughly analyze and properly interpret clinical symptoms, anatomopathological lesions, the results of laboratory and additional examinations, formulate diagnoses, taking into account the differential diagnosis and take therapeutic and prophylactic measures
	S2. Is able to administer sedation, anesthesia, principles of aseptics and antiseptics, and perform basic surgical and gynecologic-obstetrical procedures on animals.
	S3. Is able to diagnose the estrous cycle phase, pregnancy, recognize and treat reproductive disorders, and provide conservative and operative birthing assistance in livestock.
	Social competences:
	C1 Observes the principles of professional ethics in the scope of medical veterinary activities towards farm animals
	C2 Understands his own limitations, the necessity of constant education and self-improvement in the field of farm animal diseases.

Prerequisites and additional requirements	In accordance to sequence of subjects
Module program content	<ol style="list-style-type: none"> 1. Taming animals with tools (farmer's loop, nose wrench, snout loop, etc.) 2. General physical examination 3. Inserting a nasopharyngeal probe 4. Inserting a diverter 5. Inserting a Thygesen probe 6. Taking the rumen fluid 7. Puncture into the rumen, trocaring 8. Rectal examination 9. Examination of the mammary gland, sampling 10. Intramuscular and subcutaneous injection 11. Intravenous infusion 12. Collection of blood from the zygomatic and caudal veins in a closed system 13. Urine collection, bladder catheterization in cows 14. Dressings 15. Inserting a tuberculin probe 16. Intravenous catheter (venflon) insertion and intravenous infusions, disposable intravenous injections 17. Subcutaneous injection, intramuscular injection 18. Management of injuries and wounds 19. Methods of general and local anesthesia 20. Practical application of x-ray and ultrasound examination 21. Ability to examine the reproductive system of a cow (ultrasound) 22. Semen collection and insemination 23. Ability to resolve difficult deliveries (fetotomy, cesarean section) 24. Ability to diagnose and treat fertility disorders (uterine lavage, taking smears for cytological and bacteriological studies, performing uterine biopsies). Manual detachment of the placenta
List of core and supplementary literature	<ol style="list-style-type: none"> 1. Gerrit Dirksen, Hans-Dieter Gründer z Giessen i Matthaues Stöber: Internal diseases and bovine surgery 2. R.W. Blowey, A.D. Weaver: Atlas of cattle diseases, U&P 3. Professional veterinary literature, foreign and domestic ones recommended by internship supervisors.
Planned forms/activities/teaching methods	Didactic methods: clinical internship in the clinics of the Faculty of Veterinary Medicine, consultations with doctors on clinical duty, field trips with doctors.
Verification methods and ways of documenting the achieved learning outcomes.	<p>K.1 Ongoing assessment of students during clinical internship.</p> <p>S.1, S2, S3 Observation and assessment of practical skills during the clinical internship based on the management of specific clinical cases</p> <p>C.1 Observation and assessment of the student's attitude during the clinical internship</p>

ECTS credits	<ul style="list-style-type: none"> • Developing a medical history - 8 hours • Completion of clinical training – 30 hours • Credit for medical history - 1 hour • Credit for clinical training – 2 hours • Reading the recommended literature on selected clinical cases – 9 hours <p>Total student workload - 50 hours, which corresponds to 2 ECTS credits</p>
The workload of activities that requires direct participation of an academic teacher	<p>The workload related to the classes requiring direct participation of academic teachers:</p> <ul style="list-style-type: none"> • Completion of clinical training – 30 hours • Credit for medical history - 1 hour • Credit for clinical training – 2 hours <p>A total of 33 hours, which is equivalent to 1 ECTS credit</p>
Relation of module learning outcomes to course learning outcomes.	<p>K1- B.W.4++, B.W.5++, B.W.6.++, B.W.8.++ K1 - B.U.2.++, B.U.3.++ S2 – B.U.11. ++, B.U.13.++, B.U.14.++ S3 – B.U.2.++, B.U.7.++ C1- K2++ C2 – K7++, K8+</p>
Elements and values affecting the final grade	<p>project assignment grade (medical history), internship completion grade given by the supervisor - 25% for each internship in each department.</p>