

Module code	M_WE_SEM 10 PW 1H/2H GER
Field of study	Veterinary medicine
Module name	Veterinary geriatrics Geriatría weterynaryjna
Language of instruction	English
Module type	elective
Level of studies	Long-cycle Master's Degree studies
Mode 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	1 (0.7/0.3)
Academic title/degree, name of the person responsible for the module	Dr hab. Jacek Madany
Unit teaching the module	Department and Clinic of Internal Animal Diseases, Faculty of Veterinary Medicine in Lublin
Module objective	The aim of teaching the module is to introduce students to the knowledge of geriatrics and gerontology covering the care of elderly animals - healthy and sick. Topics covered include protective preventive programs for healthy animals and early diagnosis in sick animals with principles of pharmacotherapy and replacement therapies. Students acquire skills in assessing the quality of life of animals, providing therapy for chronic and terminal illnesses, and making euthanasia decisions.
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. Knows the principles of prevention and prophylaxis of diseases of elderly animals.
	K2. Knows how to implement principles of clinical diagnostic management (including differential diagnosis) in older animals and propose therapy appropriate to the diagnosis.
	K3. Knows how to collect clinical data on diseases of elderly animals and suggest additional tests. Knows how to make a decision about euthanasia.
	Skills:
	S1. Performs a complete clinical examination of elderly animals and can use methods of additional tests with their interpretation.
	S2. Recognizes diseases of elderly animals and is able to select methods of optimal pharmacological and non-pharmacological treatment.
	S3. Is able to assess situations requiring the necessity of performing euthanasia and properly inform the animal owner. He/she is able to perform euthanasia according to legal principles, medical ethics, and foundations of psychology.
	Social competences:
	C1. Is prepared and feels responsible for making diagnostic and therapeutic decisions for the gerontological patient

	<p>C2. Adheres to the principles of medical conduct as well as the rules of law, standards of the code of deontology and conducts activities in relation to older animals and their owners in accordance with the principles of good clinical practice.</p> <p>C3. Is prepared for lifelong learning, continuous improvement of knowledge in gerontology and improvement of practical skills.</p> <p>C4. Admits own weaknesses and limitations with the possibility of making mistakes in the field of gerontology. Has the ability to confess mistakes and expresses a readiness and reasonableness to address them.</p>
Prerequisites and additional requirements	Credited modules: Diseases of dogs and cats - Block I and II,
Module programme content	<p>Practical classes:</p> <ul style="list-style-type: none"> - Theories of aging. Physiology and pathophysiology of elderly animals - 2 hours. - Senior Age in Dogs and Cats. Life Stages. Quality of life and ways to assess it - 2 hrs. - Older animals - healthy. Ways to maintain a good quality of life and a preventive SENIOR protection program - 2 hours. - Older animals - sick. Timing of disease onset, diagnostic possibilities and diagnosis - 1 hour. - An overview of the most common systemic diseases in older animals - 4 hrs. - Treatment of chronic and terminal illnesses. Pharmacology and non-pharmacology in aged animals - 2 hours. - Working out the decision to euthanize. Medical, legal and ethical indications - 1 hour. - The technical way of performing euthanasia and the medical, psychological and legal-ethical aspects - 1 hour.
List of core and supplementary literature	<p>Core literature:</p> <ol style="list-style-type: none"> 1. Goldston R.T.: Geriatrics and gerontology of the Dog and Cat 2. Dunbar Gram W., Milner R.J., Lobetti R.: Chronic diseases of dogs and cats <p>Supplementary literature:</p> <ol style="list-style-type: none"> 3. Articles on geriatrics in current issues of the canine and feline practice literature.
Planned forms/activities/teaching methods	Exercises - discussion and practical seminars. Individual student presentations on assigned topics. General discussion.

<p>Verification methods and ways of documenting the achieved learning outcomes.</p>	<p>K - is verified in class during discussion exercises with indication of a "+" or "-" in the class log. One time during the course the student makes a 5-7 min. presentation on a given topic. The speech and its level of content is subject to evaluation. The evaluation criterion is the level of included and presented knowledge, ability to synthesize data, precise formulation of thoughts and rational validity of diagnostic and therapeutic decisions.</p> <p>Evaluation criteria:</p> <p>5 - inclusion of all optimal medical aspects: diagnostic and therapeutic, 100%</p> <p>4 - coverage of the vast majority of medical aspects: diagnostic and therapeutic, >90%</p> <p>3 - inclusion of most medical aspects: diagnostic and therapeutic, >80%</p> <p>2 - coverage of less than 80% medical aspects: diagnostic and therapeutic.</p> <p>The grade is entered in the course log.</p> <p>S - verification of skills is made on the basis of the level of practical skills, mainly clinical examination with analysis of diagnostic data, carried out during exercises - discussions. The above elements are the evaluation criteria.</p> <p>Evaluation criteria:</p> <p>5 - inclusion of all optimal diagnostic aspects, 100%</p> <p>4 - coverage of the vast majority of diagnostic aspects, >90%</p> <p>3 - inclusion of most diagnostic aspects, >80%</p> <p>2 - coverage of less than 80% diagnostic aspects.</p> <p>The grade is entered in the course log.</p> <p>C - verification of social competence is made on the basis of assessment of medical behavior, presented opinions, views in discussion, answers to questions when considering hypothetical office situations involving animal owners. The manner of verification of social competence is made on the basis of subjective assessment of the person responsible for the subject (in accordance with the standards of law and medical ethics). Competency ratings as "+" or "-" may increase or decrease the final grade.</p> <p>Attendance is a prerequisite for course credit. Of the 15 practice hours, a student may have 1.5 unexcused hours and 1.5 excused hours.</p> <p>The substantive prerequisite for the grade is a positive evaluation of the presentation made and veterinary medical knowledge with the ability of creative and analytical-critical look at clinical cases taking into account environmental, organizational and financial conditions of animal owners presented during the discussion.</p> <p>The final grade may be increased by half a grade in the case of demonstrating during practical exercises and discussions - activity,</p>
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	involvement and maturity and independence of views on social competences.
ECTS credits	Forms of course: discussion and practical seminar - 1 ECTS contact/ 0.7 number of non-contact hours/ 0.3
The workload of activities that require direct participation of an academic teacher	participation in the exercise - 15 hours participation in the credit – 3 hours 18 hours – 0.7 ECTS
Relation of module learning outcomes to major learning outcomes	W1 – B.W1 +++, B.W2 +++, B.W 3 ++ W2 – B.W4 ++, B.W.5 +++ W3 – B.W6 ++, B.W9 ++ U1 – B.U1 ++, B.U2. +++, B.U3 +++, B.U7 +++ U2 – B.U13 ++, C.U2 ++, C.U3 +++ U3 – B.U15 ++ K1 – K1 ++ K2 – K2 ++, K4 ++ K3 – K5 ++, K8 ++
Elements and weighting factors affecting final grade	Impact on final grade: Prerequisite: attendance - minimum 80%. The final grade is the value of the presentation, verbal statements, and general veterinary medicine knowledge presented.