

Module title:	Geriatric care of companion animals	ECTS	2
Polish translation:	Geriatrya psów i kotów		
Course:	Veterinary Medicine		

Module language: English		Stage: JM-FVM	
Form of studies: ☒ intramural ☐ extramural	Type of module: ☒ basic ☐ mandatory ☐ directional ☒ elective	Semester: 7	☒ winter semester ☐ summer semester
Academic year: 2022/2023		Catalogue number:	FVM-V-JMSS-07W-ED02_20

Module coordinator:		dr Paula Kiełbik		
Teachers responsible for the module:		Academic teachers of the Institute of Veterinary Medicine; Department of Large Animal Diseases and Clinic; PhD students in accordance to the internal legal acts; visiting professors; other specialists in the field of study		
Objectives of the module:		Presentations and interactive discussion of the most common general problems encountered in small animal geriatrics Including (12 lectures, 2 hours each): - Introduction to geriatrics (basic nomenclature, elements of senior/geriatric health care program for animals > 7 years old) - Age-related changes in different body systems and their influence on body functions - Physiology of chronic renal disease in older dogs and cats - Gastrointestinal (including alimentary neoplasia) and liver disorders in geriatric patients - Respiratory and cardiovascular disorders in geriatric patients - Cachexia, obesity and selected nutritional issues in older cats and dogs - Canine and feline cognitive dysfunction syndrome and other neurological disorders in geriatric patients - Hormonal disorders in the geriatric patients - Neurological disorders in older cats and dogs - Behavioural disorders related with age and welfare of geriatric dogs and cats - The role of environmental enrichment and implementing an individual - senior wellness plan - Palliative treatment, chronic pain management for geriatric patients, quality of life assessment and euthanasia decisions Seminars (3 seminars, 2 hours each): Students prepare the multimedia presentations (individually) based on selected topic		
Teaching forms, number of hours:		a) Lectures; 24 hours b) Seminars; 6 hours		
Teaching methods:		• Lectures: Interactive presentation of the topics related with canine and feline geriatrics; brainstorming in solving presented problems • Seminars: Students prepare the multimedia presentations individually or in pairs, they present or submit the files to the academic teacher. Next, if possible the topic is open for discussion. Finally presentation is evaluated in the range 1-10 points. • Consultations (1h/week). The method and the schedule of consultations will be shown at the start of the semester. Detailed schedule will be defined by the coordinator of the course at the beginning of semester. Detailed organization of consultations will be defined by the coordinator of the course at the beginning of semester.		
Formal prerequisites and initial requirements:		Animal anatomy, Biochemistry, Animal physiology, Pathophysiology, Veterinary microbiology, Clinical and laboratory diagnostics, Animal nutrition and feeding, Pathomorphology 3		
Learning effects		Course outcomes:	Learning outcomes relative to the course outcomes	Impact on the course outcomes*
Knowledge:	1	As a result of completion of this course student knows causes, symptoms and physiological picture of the most common canine and feline geriatric disorders	A.W.4, A.W.7, A.W.8	
	2	As a result of completion of this course student knows canine and feline geriatric behavior and understands the causes	B.W.9	
	3	As a result of completion of this course student knows the latest recommendations for proper management of geriatric patients	A.W.4, A.W.7, A.W.8	
Skills:	1	As a result of completion of this course student would be able to understand the most common canine and feline geriatric disorders and its physiology	A.U.19	
	2	As a result of completion of this course student would be able to categorize canine and feline geriatric behavior disorders	A.U.19	
	3	As a result of completion of this course student would be able to propose the most efficient senior wellness plan to improve canine and feline geriatric welfare	B.U.1	

Competences:	1	As a result of completion of this course student would know how to plan proper recommendations for management of geriatric patients	KS.2	
	2	As a result of completion of this course student would know how to take responsibility for his decisions concerning humans, animals and environment	KS.4, KS.8	
	3	As a result of completion of this course student would know how to constantly update knowledge and skills for professional development, communicate with co-workers and share the knowledge	KS.4, KS.8	
Objectives of the module required to obtain learning effects:		The module is to give students knowledge in physiology of the most common general problems encountered in small animal geriatrics. This refers to introduction to geriatrics (basic nomenclature, elements of senior/geriatric health care program for animals > 7 years old), age-related changes in different body systems and their influence on body functions, physiology of chronic renal disease in older dogs and cats. Students will also learn about gastrointestinal (including alimentary neoplasia) and liver disorders in geriatric patients, respiratory and cardiovascular disorders in geriatric patients, cachexia, obesity and selected nutritional issues in older cats and dogs, canine and feline cognitive dysfunction syndrome and other neurological disorders in geriatric patients, hormonal disorders in the geriatric patients, neurological disorders in older cats and dogs. The module is also to give students knowledge in behavioral disorders related with age and welfare of geriatric dogs and cats, the role of environmental enrichment and implementing an individual and palliative treatment, chronic pain management for geriatric patients, quality of life assessment and euthanasia decisions.		
Assessment methods:		Assessment based on attendance at the classes and presented seminar. Alternatively - written test 10 questions. To pass, student must present or submit seminar. In case of unforeseen, unusual circumstances mandatory remote teaching and remote assessment methods might be adopted.		
Detail description of assessment methods; Formal documentation of learning outcome:		Prepared seminars and eventual, written test will be graded 0-10: 0 – 4.5 pts – failed (2) 5 – 6.5 pts – sufficient (3) 6 – 6.5 pts – sufficient plus (3.5) 7 – 7.5 pts – good (4) 8 – 8.5 pts – very good (4.5) 9 – 10 pts – excellent (5) No extra assessment methods are anticipated. eHMS entry. Records collected in the course portfolio i.e. individual records of student results, presence lists, database of oral and written questions, written assessments of the students.		
Elements impelling final grade:		Prepared seminar presentation (70% result) and attendance at the classes (30% result), alternatively written test (100% test results)		
Teaching base:		Lecture facilities of the Institute of Veterinary Medicine.		
Mandatory and supportive materials : 1. 1. Gardner M., McVety D.: Treatment and Care of the Geriatric Veterinary Patient. Wiley, 2017 2. Ettinger S. et al: Textbook of Veterinary Internal Medicine Expert Consult, 8th edition, Elsevier, 2016 3. Relevant scientific publications including those of the module coordinator.				
ANNOTATIONS				

* 3 – complete and detailed, 2 – moderate, 1 – basic.

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:	50 h
Total ECTS points, accumulated by students during contact learning:	2 ECTS