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

Module language:	English					Stage:	JM-FVM	
Form of studies:	☒ intramural ☐ extramural	Type of module:	☒ basic ☐ directional	☐ mandatory ☒ elective	Semester: VII		☒ winter semester ☐ summer semester	
				Academic year:	**2023/2024**	Catalogue number:	FVM-V-JMSS-07W-ED02_23	

Module coordinator:	**dr Paula Kiełbik**
Teachers responsible for the module:	**Academic teachers of the Institute of Veterinary Medicine; Department of Small Animal Diseases and 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 Clinic**
Faculty in charge:	**Institute of Veterinary Medicine**
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
Learning outcomes:	Basic sciences/knowledge: As a result of completion of this course student knows: 1. causes, symptoms and physiological picture of the most common canine and feline geriatric disorders 2. canine and feline geriatric behavior and understands the causes 3. the latest recommendations for proper management of geriatric patients	Skills: As a result of completion of this course student would be able to: 1. understand the most common canine and feline geriatric disorders and its physiology 2. categorize canine and feline geriatric behavior disorders 3. propose the most efficient senior wellness plan to improve canine and feline geriatric welfare	Competences: As a result of completion of this course student would know how to: 1. plan proper recommendations for management of geriatric patients 2. take responsibility for his decisions concerning humans, animals and environment 3. constantly update knowledge and skills for professional development, communicate with co-workers and share the knowledge
Assessment methods:	Participation in discussion during the lecture, active participation in "brainstorming" while discussing, presented seminar - maximum 6 points which is equal to 30% of the final grade Oral exam consisting of 3 questions (5 points per each question, 15 points the total score), which is equal to 70% of the final grade

Formal documentation of learning outcomes:	eHMS entry. Records collected in the course portfolio i.e. individual records of student results, presence lists.
Elements impelling final grade:	Only the students that were present at the lectures can take the exam. Acceptable non-attendance is 4 hours of lectures. Altogether, for an active participation in the discussion and the oral exam, the student can get 21 points and the minimum to pass is 11 points. The grades (2-5) are as follows: 0-10 points = 2 fail 11-15 points = 3 satisfactory 16-19 points = 4 good 20-21 points = 5 very good
Teaching base:	Lecture facilities of the Institute of Veterinary Medicine.
Mandatory and supportive materials : 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	

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

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 each course outcomes
Knowledge – 1	Student knows the causes, symptoms and physiological picture of the most common canine and feline geriatric disorders	B.W.1 B.W.2, B.W.3	3 2
Knowledge – 2	Student knows canine and feline geriatric behavior and understands the causes	B.W.4 B.W.6, B.W.10 B.W.13	3 1 2
Knowledge – 3	Student knows the latest recommendations for proper management of geriatric patients	B.W.3, B.W.4	3
Skills – 1	Student understand the most common canine and feline geriatric disorders and its physiology	B.U.1, B.U.2, B.U.6	3
Skills – 2	Student can categorize canine and feline geriatric behavior disorders	B.U.6	2
Skills – 3	Student can propose the most efficient senior wellness plan to improve canine and feline geriatric welfare	B.W.10, B.W.13	2
Competences – 1	The graduate is prepared to plan proper recommendations for management of geriatric patients	K.S.1, K.S.2, K.S.3	2
Competences – 2	The graduate is prepared to take responsibility for his decisions concerning humans, animals and environment	K.S.1, K.S.2, K.S.3	2
Competences – 3	The graduate is prepared to constantly update knowledge and skills for professional development, communicate with co-workers and share the knowledge	K.S.4 K.S.8, K.S.9	2 3