Module title:	ROTATION DOG AND CATS INTERNAL DISEASES	**ECTS**	**2**
Polish translation:	STAŻ CHOROBY WEWNĘTRZNE 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:10	☐ winter semester ☒ summer semester
Academic year:	**Intake 2020/21**	Catalogue number:	**FVM-V-JMSS-10S-D20/1_20**

Module coordinator:	**PhD Magdalena Ostrzeszewicz**		
Teachers responsible for the module:	**Academic teachers of the Institute of Veterinary Medicine; Department of Small Animal; PhD students in accordance to the internal legal acts; visiting professors; other specialists in the field of study**		
Unit responsible for the module:	**IVM, Department of small animal internal diseases**		
Faculty in charge:	**Faculty of Veterinary Medicine**		
Objectives of the module:	The aim of class is to give students opportunity to get contact with wide range of clinical cases, especially in aspect of diagnosing and treatment. Students assists clinicians during their work in Small Animal Clinic or shelter. They take part in additional diagnostic procedures and treatment, than clinical cases are discussed by the teacher.		
Teaching forms, number of hours:	a) Clinical laboratories; hours 40		
Teaching methods:	Practical workshops in the Small Animal Clinic SGGW and animal shelters Students are entitled to 1h of consultaion weekly. 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:	Obtaining a positive final grade in subjects: animal anatomy, topographic anatomy, animal physiology, pathophysiology, clinical and laboratory diagnostic, microbiology, animal farmacology, toxicology, radiology, internal medicine, general surgery, surgery and anesthesiology of small animal, obstetrics of small animal, epidemiology of small animal		
Learning outcomes:	Knowledge: Student knows: 01 mechanisms of normal organism's function, causes and mechanisms of disorders on the cellular, tissue, organ, system and organism levels occurring in the internal diseases; how to interpret clinical data, results of the laboratory tests and other diagnostics techniques; diagnostic (including differential diagnostics) and therapeutic procedures 02 rules of clinical evaluation and animal health monitoring	Skills: Student is able to: 01 to handle animals in safe and humane way, and instructs others to do alike 02 to conduct anamnesis in order to acquire precise information on animal or group of animals (heard), and their environment 03 carry out full clinical evaluation; 04 evaluate nutritional state of the animal and ordains information on proper animal nutrition 05 collect and safeguard the biological material, conduct basic laboratory analyses, properly evaluate and interpret results of laboratory analyses 06 use diagnostic devices including x-ray, ultrasound, endoscopy, according to its manuals and health and safety regulations concerning animals and humans, interpret the results obtained from those diagnostic devices 07 acquire and use information on registered veterinary pharmaceuticals; 08 prescribe and use veterinary pharmaceuticals and medical	Competences: Student is ready to: 01 take responsibility for his decisions concerning humans, animals and environment 02 act within the current standards and ethical obligations, perform actions based on the code of professional ethics, show tolerance to beliefs and behaviour influenced by different sociological and cultural background 03 utilise unbiassed sources of information 04 formulate conclusions from personal measurements or observations 05 formulate opinions regarding various aspects of professional conduct 06 perform critical self-evaluation, formulate constructive criticism regarding veterinary practice, accept criticism regarding postulated solutions, factual respond to that criticism based on the current scientific knowledge

		materials, including their safe storage and utilisation 09 choose the treatment adequate for the diagnosed disease 10 evaluate the need for euthanasia, properly informs the owner of the animal and carry out the euthanasia procedure according to rules and obligations of professional ethics and proper care and utilisation of the body 11 prepare the preventive schemes according to the species specifics 12 critically analyse veterinary literature and formulate conclusions based on available literature 13 utilise computer systems and current sources of veterinary knowledge for effective use and process of information;	07 constantly update knowledge and skills for professional development 08 communicate with co-workers and share the knowledge; 09 operate under stress and duress;

Assessment methods:	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:	eHMS entry. Records collected in the Student's Daybook of Summer Practice and Clinical Training, presence lists, written assessments of the students.
Elements impelling final grade:	**Evaluation of clinical documentation of patient examined during rotation.**
Teaching base:	Clinic of Small Animals SGGW, cooperating outside units (eg. shelter)

Mandatory and supportive materials;

- S. Birchard, R. Sherding: "Saunders Manual of Small Animal Practice", 3rd edition
- J. Eliott, G. Grauer: "BSAVA Manual of Canine and Feline Nephrology and Urology", 2nd edition
- S. Ettinger, E. Feldman: „Textbook of Veterinary Internal Medicine", 7th edition
- E. Hall, JW. Simpson, D. Williams: BSAVA Manual of Canine and Feline Gastroenterology" 2nd edition
- R. Nelson, C. Couto: "Small Animal Internal Medicine", 4th edition
- Platt. S., Olby N. : "BSAVA Manual of Canine and Feline Neurology", 2nd edition
- J. Steiner: "Small Animal Gastroenterology", 2008

Relevant scientific publications, including those of the module coordinator.

ANNOTATIONS
Compliance with health and safety rules

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:	**40 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 course outcomes (each)
Knowledge -01	Student knows mechanisms of normal organism's function, causes and mechanisms of disorders on the cellular, tissue, organ, system and organism levels occurring in the internal diseases; how to interpret clinical data, results of the laboratory tests and other	B.W.1, B.W 2 B.W 3, B.W.4, B.W.5, B.W.6	2 3

	diagnostics techniques; diagnostic (including differential diagnostics) and therapeutic procedures;		
Knowledge 02	Student knows rules of clinical evaluation and animal health monitoring;	BW 5	2
Skills - 01	Student is able to handle animals in safe and humane way, and instructs others to do alike;	B.U.1	2
Skills 02	Student is able to conduct anamnesis in order to acquire precise information on animal or group of animals (heard), and their environment;	B.U.2	2
Skills 03	Student is able to carry out full clinical evaluation;	B.U.3	3
Skills 04	Student is able to evaluate nutritional state of the animal and ordains information on proper animal nutrition	B U 5	2
Skills 05	Student is able to collect and safeguard the biological material, conduct basic laboratory analyses, properly evaluate and interpret results of laboratory analyses	B U 6	2
Skills 06	Student is able to se diagnostic devices including x-ray, ultrasound, endoscopy, according to its manuals and health and safety regulations concerning animals and humans, interpret the results obtained from those diagnostic devices	B U 7	1
Skills 07	Student is able to acquire and use information on registered veterinary pharmaceuticals	B U 9	2
Skills 08	Student is able to prescribe and use veterinary pharmaceuticals and medical materials, including their safe storage and utilisation	B U 10	2
Skills 09	Student is able to choose the treatment adequate for the diagnosed disease	B U 13	3
Skills 10	Student is able to evaluate the need for euthanasia, properly informs the owner of the animal and carry out the euthanasia procedure according to rules and obligations of professional ethics and proper care and utilisation of the body	B U 15	3
Skills 11	Student is able to prepare the preventive schemes according to the species specifics	B U 21	2
Skills 12	Student is able to critically analyse veterinary literature and formulate conclusions based on available literature	C.U.2	2
Skills 13	Student is able to utilise computer systems and current sources of veterinary knowledge for effective use and process of information	C.U.3	2
Competences 01	Student is ready to take responsibility for his decisions concerning humans, animals and environment	KS.1	2
Competences 02	Student is ready to act within the current standards and ethical obligations, perform actions based on the code of professional ethics, show tolerance to beliefs and behaviour influenced by different sociological and cultural background	KS 2	1
Competences 03	Student is ready to utilise unbiassed sources of information	KS 4	2
Competences 04	Student is ready to formulate conclusions from personal measurements or observations	KS 5	1
Competences 05	Student is ready to formulate opinions regarding various aspects of professional conduct	KS 6	1
Competences 06	Student is ready to perform critical self-evaluation, formulate constructive criticism regarding veterinary practice, accept criticism regarding postulated solutions, factual respond to that criticism based on the current scientific knowledge	KS 7	1
Competences 07	Student is ready to constantly update knowledge and skills for professional development	KS 8	2
Competences 08	Student is ready to communicate with co-workers and share the knowledge	KS 9	2
Competences 09	Student is ready to operate under stress and duress	KS 10	2