

2019-2020

CLINICAL PROPEDEUTICS

UNIVERSITY OF ZAGREB
FACULTY OF VETERINARY MEDICINE
Heinzelova 55
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File no.:
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117329	REPUBLIKA HRVATSKA	
Veterinarski fakultet u Zagrebu		
Primljeno:	03.02.2021	
Klasifikacijska oznaka	Org. jed.	
605-03/20-04/25	251-61-05;251-01-32;	
Urudžbeni broj	Prilozi	Vrijednost
251-61-20-21-70	0	-

COURSE SYLLABUS

Course name: Clinical propedeutics

Academic year 2020-21

Course leader: Assoc. prof. Ivana Kiš, PhD

Course leader substitution: Assoc. prof. Mirna Brkljačić, PhD

Teachers: prof. Vesna Matijatko, PhD; prof. Nikša Lemo, PhD; prof. Damjan Gračner, PhD; assoc. prof. Ivana Kiš, PhD; prof. Nada Kučer, PhD; assoc. prof. Mirna Brkljačić, PhD; ass. prof. Marin Torti, PhD; ass. prof. Martina Crnogaj, PhD; ass. prof. Iva Šmit, PhD, ass. prof. Jelena Gotić, PhD, ass. prof. Darko Grden PhD

Associate teachers: Gabrijela Jurkić Krsteska, DVM; Ines Jović, DVM; Tea Dodig, DVM; Maša Efendić, DVM; Elena Maduna, DVM; Nejra Subašić, DVM

First day of classes: 22 February 2021

Last day of classes: 12 May 2021

Timetable for LECTURES academic year 2018-2019

LECTURES				
Date	Methodological unit	Teacher	Location / time	Literature
22 February (1,2)	Introduction of course leader: assoc. prof. Ivana Kiš, PhD Handling the animals during clinical examination: Approach to different domestic animals: species differences in handling, restraint and necessary equipment	prof. Damjan Gračner, PhD	8-10 Clinical Lecture Room	Radostits, O., Mayhew, I., Houston, D. (2001): Veterinary clinical examination and diagnosis. Saunders, Philadelphia.
22 February (3,4)	Basic methods of physical examination: inspection, palpation, percussion and auscultation Complementary methods of physical examination	prof. Nada Kučer, PhD	10-12 Clinical Lecture Room	Radostits, O., Mayhew, I., Houston, D. (2001): Veterinary clinical examination and diagnosis. Saunders, Philadelphia.
23 February (5,6)	Order of physical examination procedures (plan according to species, history and suspected organ system involved) Signalment	assoc. prof. Ivana Kiš, PhD	10-12 Clinical Lecture Room	Radostits, O., Mayhew, I., Houston, D. (2001): Veterinary clinical examination and diagnosis. Saunders, Philadelphia.
23 February (7,8)	Order of physical examination procedures. History taking techniques. Habitus. Examples of taking medical records.	assoc. prof. Mirna Brkljačić, PhD ass. prof. Martina Crnogaj, PhD	12-14 Clinical Lecture Room	Radostits, O., Mayhew, I., Houston, D. (2001): Veterinary clinical examination and diagnosis. Saunders, Philadelphia.
24 February (9,10)	Temperature, heart rate, respiratory rate and ruminal contractions	ass. prof. Marin Torti, PhD	12-14 Clinical Lecture Room	Radostits, O., Mayhew, I., Houston, D. (2001): Veterinary clinical examination and diagnosis. Saunders, Philadelphia.

25 February (11,12)	Examination of mucous membranes and lymph nodes.	ass. prof. Darko Grden, PhD	12-14 Clinical Lecture Room	Radostits, O., Mayhew, I., Houston, D. (2001): Veterinary clinical examination and diagnosis. Saunders, Philadelphia.
26 February (13,14)	Weight changes; anorexia, polyphagia, diarrhea and vomiting as symptoms of disease. Differential diagnostics, diagnostic plan.	ass. prof. Iva Šmit, PhD	12-14 Clinical Lecture Room	Radostits, O., Mayhew, I., Houston, D. (2001): Veterinary clinical examination and diagnosis. Saunders, Philadelphia.
02 March (15,16)	Dyspnea, effusions, hypertension, hypotension and other symptoms, differential diagnostics and diagnostic plan.	prof. Vesna Matijatko, PhD	12-14 Clinical Lecture Room	Radostits, O., Mayhew, I., Houston, D. (2001): Veterinary clinical examination and diagnosis. Saunders, Philadelphia.
03 March (17,18)	Blood collection and complete blood cell count. Chemistry profiles.	prof. Vesna Matijatko, PhD ass. prof. Martina Crnogaj, PhD	08-10 Clinical Lecture Room	Radostits, O., Mayhew, I., Houston, D. (2001): Veterinary clinical examination and diagnosis. Saunders, Philadelphia.
04 March (19,20)	Administration of medications in different domestic animal species	assoc. prof. Mirna Brkljačić PhD	8-10 Clinical Lecture Room	Radostits, O., Mayhew, I., Houston, D. (2001): Veterinary clinical examination and diagnosis. Saunders, Philadelphia.
05 March (21,22)	Examination of upper respiratory system. Cough. Thyroid gland. Examination of lower respiratory system. Thoracocentesis.	prof. Nada Kučer, PhD	12-14 Clinic for internal medicine – meeting room	Radostits, O., Mayhew, I., Houston, D. (2001): Veterinary clinical examination and diagnosis. Saunders, Philadelphia.
08 March (23, 24)	Dermatologic propedeutics 1,2	prof. Nikša Lemo, PhD	08-10 Clinical Lecture Room	Miller, W. Jr, Griffin, C., Campbell, K. (2013): Muller & Kirk's Small Animal Dermatology. Saunders-Elsevier, St Louis; 7th Ed.
9 March (25)	Dermatologic propedeutics 3	prof. Nikša Lemo, PhD	12-13 Clinical Lecture Room	Miller, W. Jr, Griffin, C., Campbell, K. (2013): Muller & Kirk's Small Animal Dermatology. Saunders-Elsevier, St Louis; 7th Ed.

10 March (26,27)	Clinical examination of the heart, pericardiocentesis. Symptoms of heart disease and differential diagnostics.	prof. Vesna Matijatko, PhD	08-10 Clinical Lecture Room	Radostits, O., Mayhew, I., Houston, D. (2001): Veterinary clinical examination and diagnosis. Saunders, Philadelphia.
12 March (28,29)	ECG Examination of blood vessels and exercise stress testing.	ass. prof. Marin Torti, PhD	14-16 Clinical Lecture Room	Radostits, O., Mayhew, I., Houston, D. (2001): Veterinary clinical examination and diagnosis. Saunders, Philadelphia.
16 March (30,31)	Examination of digestive tract: clinical signs Examination of oral cavity, mouth gags and their application.	ass. prof. Iva Šmit, PhD ass. prof. Martina Crnogaj, PhD	14-16 Clinical Lecture Room	Radostits, O., Mayhew, I., Houston, D. (2001): Veterinary clinical examination and diagnosis. Saunders, Philadelphia.
17 March (32,33)	Examination of esophagus and passing a stomach tube Examination of abdomen	ass. prof. Martina Crnogaj, PhD ass. prof. Darko Grden, PhD	08-10 Clinic for internal medicine – meeting room	Radostits, O., Mayhew, I., Houston, D. (2001): Veterinary clinical examination and diagnosis. Saunders, Philadelphia.
18 March (34)	Rectal examination	ass. prof. Darko Grden, PhD	10-11 Clinical Lecture Room	Radostits, O., Mayhew, I., Houston, D. (2001): Veterinary clinical examination and diagnosis. Saunders, Philadelphia.
19 March (35,36)	Examination of rumen, reticulum and omasus. Examination of the liver Tests for anterior abdominal pain	prof. Damjan Gračner, PhD	12-14 Clinical Lecture Room	Radostits, O., Mayhew, I., Houston, D. (2001): Veterinary clinical examination and diagnosis. Saunders, Philadelphia.
24 March (37,38)	Urinary system: clinical signs 1 and 2	ass. prof. Martina Crnogaj, PhD ass. prof. Iva Šmit, PhD	10-12 Clinical Lecture Room	Radostits, O., Mayhew, I., Houston, D. (2001): Veterinary clinical examination and diagnosis. Saunders, Philadelphia.
26 March (39,40)	Examination of urinary system Catheterisation and urinalysis	ass. prof. Marin Torti, PhD	14-16 Clinical Lecture Room	Radostits, O., Mayhew, I., Houston, D. (2001): Veterinary clinical examination and diagnosis. Saunders, Philadelphia.

		ass. prof. Iva Šmit, PhD		
31 March (41,42)	Neurologic examination: introduction, postural reactions - and spinal reflexes.	assoc. prof. Ivana Kiš, PhD	10-12 Clinical Lecture Room	Dewey, C. W., da Costa R. C. (2016). Practical guide to canine and feline neurology, 3 rd ed. Wiley Blackwell. Ch 1: Signalment and history.; Ch 2: Performing the neurologic examination.
06 April (43)	Neurologic examination: cranial nerves, pain.	assoc. prof. Ivana Kiš, PhD	14-15 Clinical Lecture Room	Dewey, C. W., da Costa R. C. (2016). Practical guide to canine and feline neurology, 3 rd ed. Wiley Blackwell. Ch 1: Signalment and history.; Ch 2: Performing the neurologic examination.
12 April (44,45)	Creating a diagnostic plan: diagnostic procedures (example: PU/PD) Small mammal clinical examination. Consultations.	assoc. prof. Mirna Brkljačić, PhD	10-12 Clinical Lecture Room	Radostits, O., Mayhew, I., Houston, D. (2001): Veterinary clinical examination and diagnosis. Saunders, Philadelphia.

Timetable for PRACTICALS academic year 2018-2019

PRACTICALS						
Date	Methodological unit	Teacher	Type of practical	Group	Location / time	Literature
26 February (1)	Introduction to practicals in clinical propedeutics.	assoc. prof. Ivana Kiš, PhD; assoc. prof. Mirna Brkljačić, PhD	SCP	1,2	10-12	Radostits, O., Mayhew, I., Houston, D. (2001): Veterinary clinical examination and diagnosis. Saunders, Philadelphia. Rijnberk, A., van Sluijs, F. J.(2009): Medical history and physical examination in companion animals. Saunders Elsevier, Houten.
01 March (2)	Approach to different domestic animals: species differences in handling, restraint and necessary equipment.	prof. Damjan Gračner, PhD; ass. prof. Darko Grden, PhD	SCP	1,2	08-10	Radostits, O., Mayhew, I., Houston, D. (2001): Veterinary clinical examination and diagnosis. Saunders, Philadelphia. Rijnberk, A., van Sluijs, F. J.(2009): Medical history and physical examination in companion animals. Saunders Elsevier, Houten.
02 March (3)	Basic methods of physical examination: inspection, palpation, percussion and auscultation.	assoc. prof. Mirna Brkljačić, PhD, DVM; Ines Jović, DVM	SCP	1,2	14-16	Radostits, O., Mayhew, I., Houston, D. (2001): Veterinary clinical examination and diagnosis. Saunders, Philadelphia. Rijnberk, A., van Sluijs, F. J.(2009): Medical history and physical examination in companion animals. Saunders Elsevier, Houten.
03 March (4)	Temperature, heart rate, respiratory rate and ruminal contractions.	ass. prof. Marin Torti PhD; ass. prof. Darko Grden, PhD	SCP	1,2	10-12	Radostits, O., Mayhew, I., Houston, D. (2001): Veterinary clinical examination and diagnosis. Saunders, Philadelphia. Rijnberk, A., van Sluijs, F. J.(2009): Medical history and physical examination in companion animals. Saunders Elsevier, Houten.
08 March (5)	Examination of mucous membranes and lymph nodes.	Ines Jović, DVM; ass. prof. Martina	SCP	1,2	14-16	Radostits, O., Mayhew, I., Houston, D. (2001): Veterinary clinical examination and diagnosis. Saunders, Philadelphia.

		Crnogaj, PhD				Rijnberk, A., van Sluijs, F. J.(2009): Medical history and physical examination in companion animals. Saunders Elsevier, Houten.
10 March (6)	Taking history, signalment and clinical findings of patients at admission. Clinical examination of hospitalised patients. Basic interpretation of laboratory findings.	prof. Vesna Matijatko PhD; prof. Damjan Gračner, PhD	SCP	1,2	10-12	Radostits, O., Mayhew, I., Houston, D. (2001): Veterinary clinical examination and diagnosis. Saunders, Philadelphia. Rijnberk, A., van Sluijs, F. J.(2009): Medical history and physical examination in companion animals. Saunders Elsevier, Houten.
16 March (7)	Taking history, signalment and clinical findings of patients at admission. Clinical examination of hospitalised patients.	prof. Vesna Matijatko PhD; ass. prof. Darko Grden, PhD	SCP	1,2	10-12	Radostits, O., Mayhew, I., Houston, D. (2001): Veterinary clinical examination and diagnosis. Saunders, Philadelphia. Rijnberk, A., van Sluijs, F. J.(2009): Medical history and physical examination in companion animals. Saunders Elsevier, Houten.
17 March (8)	Examination of upper respiratory system (nose, larynx, trachea). Cough. Thyroid gland.	prof. Nada Kučer, PhD; Ines Jović, DVM	SCP	1,2	10-12	Radostits, O., Mayhew, I., Houston, D. (2001): Veterinary clinical examination and diagnosis. Saunders, Philadelphia. Rijnberk, A., van Sluijs, F. J.(2009): Medical history and physical examination in companion animals. Saunders Elsevier, Houten.
18 March (9)	Examination of thorax by basic methods of clinical examination, bronchoscopy	ass. prof. Iva Šmit, PhD; ass. prof. Martina Crnogaj, PhD	SCP	1,2	08-10	Radostits, O., Mayhew, I., Houston, D. (2001): Veterinary clinical examination and diagnosis. Saunders, Philadelphia. Rijnberk, A., van Sluijs, F. J.(2009): Medical history and physical examination in companion animals. Saunders Elsevier, Houten.
24 March (10)	Heart examination by basic clinical methods) and electrocardiography (ECG)	prof. Vesna Matijatko PhD; Ines Jović, DVM	SCP	1,2	08-10	Radostits, O., Mayhew, I., Houston, D. (2001): Veterinary clinical examination and diagnosis. Saunders, Philadelphia. Rijnberk, A., van Sluijs, F. J.(2009): Medical history and physical examination in companion animals. Saunders Elsevier, Houten.
25 March (11)	Cardiac ultrasound	ass. prof. Marin Torti, PhD; Ines	SCP	1,2	14-16	Radostits, O., Mayhew, I., Houston, D. (2001): Veterinary clinical examination and diagnosis. Saunders,

		Jović, DVM				Philadelphia. Rijnberk, A., van Sluijs, F. J.(2009): Medical history and physical examination in companion animals. Saunders Elsevier, Houten.
29 March (12)	Examination of peripheral circulation (arteries, venes and capillaries. Repetition.	Ines Jović, DVM; ass. prof. Marin Torti, PhD	SCP	1,2	08-10	Radostits, O., Mayhew, I., Houston, D. (2001): Veterinary clinical examination and diagnosis. Saunders, Philadelphia. Rijnberk, A., van Sluijs, F. J.(2009): Medical history and physical examination in companion animals. Saunders Elsevier, Houten.
30 March (13)	Examination of cardiovascular system and circulation in large animals.	ass. prof. Iva Šmit, PhD; ass. prof. Marin Torti, PhD	SCP	1,2	08-10	Radostits, O., Mayhew, I., Houston, D. (2001): Veterinary clinical examination and diagnosis. Saunders, Philadelphia. Rijnberk, A., van Sluijs, F. J.(2009): Medical history and physical examination in companion animals. Saunders Elsevier, Houten.
31 March (14)	Administration of medications in different domestic animal species (routes of administration, systemic and topical medications).	assoc. prof. Mirna Brkljačić, PhD; assoc. prof. Ivana Kiš, PhD	SCP	1,2	14-16	Radostits, O., Mayhew, I., Houston, D. (2001): Veterinary clinical examination and diagnosis. Saunders, Philadelphia. Rijnberk, A., van Sluijs, F. J.(2009): Medical history and physical examination in companion animals. Saunders Elsevier, Houten.
09 April (15)	Taking history, signalment and clinical findings of patients at admission. Clinical examination of hospitalised patients. Repetition.	prof. Nada Kučer, PhD; ass. prof. Martina Crnogaj, PhD	SCP	1,2	08-10	Radostits, O., Mayhew, I., Houston, D. (2001): Veterinary clinical examination and diagnosis. Saunders, Philadelphia. Rijnberk, A., van Sluijs, F. J.(2009): Medical history and physical examination in companion animals. Saunders Elsevier, Houten.
12 April (16)	Colloquium.	assoc. prof. Ivana Kiš, PhD; prof. Nada Kučer, PhD	SCP	1,2	08-10	Radostits, O., Mayhew, I., Houston, D. (2001): Veterinary clinical examination and diagnosis. Saunders, Philadelphia. Rijnberk, A., van Sluijs, F. J.(2009): Medical history and physical examination in companion animals. Saunders Elsevier, Houten.
13 April	Examination of digestive	ass. prof.	SCP	1,2	14-16	Radostits, O., Mayhew, I., Houston, D. (2001):

(17)	system (oral cavity, pharynx and esophagus).	Martina Crnogaj, PhD; ass. prof. Iva Šmit, PhD				Veterinary clinical examination and diagnosis. Saunders, Philadelphia. Rijnberk, A., van Sluijs, F. J.(2009): Medical history and physical examination in companion animals. Saunders Elsevier, Houten.
14 April (18)	Examination of abdomen and liver. Passing a stomach tube in ruminants, examination of rumen contents.	prof. Damjan Gračner, PhD; ass. prof. Darko Grden, PhD	SCP	1,2	14-16	Radostits, O., Mayhew, I., Houston, D. (2001): Veterinary clinical examination and diagnosis. Saunders, Philadelphia. Rijnberk, A., van Sluijs, F. J.(2009): Medical history and physical examination in companion animals. Saunders Elsevier, Houten.
26 April (19)	Examination of rumen, reticulum and omasum. Tests for cranial abdominal pain. Use of endometaloscapy.	prof. Damjan Gračner, PhD; ass. prof. Darko Grden, PhD	SCP	1,2	08-10	Radostits, O., Mayhew, I., Houston, D. (2001): Veterinary clinical examination and diagnosis. Saunders, Philadelphia. Rijnberk, A., van Sluijs, F. J.(2009): Medical history and physical examination in companion animals. Saunders Elsevier, Houten.
27 April (20)	Endoscopy of digestive tract, abdominocentesis, cPL, abdominal ultrasound.	ass. prof. Iva Šmit, PhD; ass. prof. Martina Crnogaj, PhD	SCP	1,2	08-10	Radostits, O., Mayhew, I., Houston, D. (2001): Veterinary clinical examination and diagnosis. Saunders, Philadelphia. Rijnberk, A., van Sluijs, F. J.(2009): Medical history and physical examination in companion animals. Saunders Elsevier, Houten.
29 April (21)	Rectal examination.	ass. prof. Darko Grden, PhD; prof. Damjan Gračner, PhD	SCP	1,2	14-16	Radostits, O., Mayhew, I., Houston, D. (2001): Veterinary clinical examination and diagnosis. Saunders, Philadelphia. Rijnberk, A., van Sluijs, F. J.(2009): Medical history and physical examination in companion animals. Saunders Elsevier, Houten.
30 April (22)	Examination of small mammals.	assoc. prof. Mirna Brkljačić, PhD; prof. Nikša Lemo, PhD	SCP	1,2	12-14	Radostits, O., Mayhew, I., Houston, D. (2001): Veterinary clinical examination and diagnosis. Saunders, Philadelphia. Rijnberk, A., van Sluijs, F. J.(2009): Medical history and physical examination in companion animals. Saunders Elsevier, Houten.

03 May (23)	Examination of urinary tract. Interpretation of urinalysis. Creating a problem list and a diagnostic plan. Work up of patients with problem in urinary tract.	ass. prof. Martina Crnogaj, PhD; ass. prof. Iva Šmit, PhD	SCP	1,2	08-10	Radostits, O., Mayhew, I., Houston, D. (2001): Veterinary clinical examination and diagnosis. Saunders, Philadelphia. Rijnberk, A., van Sluijs, F. J.(2009): Medical history and physical examination in companion animals. Saunders Elsevier, Houten.
04 May (24)	Catheterisation	ass. prof. Marin Torti, PhD; assoc. prof. Mirna Brkljačić, PhD	SCP	1,2	14-16	Radostits, O., Mayhew, I., Houston, D. (2001): Veterinary clinical examination and diagnosis. Saunders, Philadelphia. Rijnberk, A., van Sluijs, F. J.(2009): Medical history and physical examination in companion animals. Saunders Elsevier, Houten.
05 May (25)	Neurologic propedeutics part 1	prof. dr. sc. Vesna Matijatko, PhD; assoc. prof. Ivana Kiš, PhD	SCP	1,2	10-12	Radostits, O., Mayhew, I., Houston, D. (2001): Veterinary clinical examination and diagnosis. Saunders, Philadelphia. Rijnberk, A., van Sluijs, F. J.(2009): Medical history and physical examination in companion animals. Saunders Elsevier, Houten.
06 May (26)	Neurologic propedeutics part 2	assoc. prof. Ivana Kiš, PhD; prof. dr. sc. Vesna Matijatko, PhD	SCP	1,2	08-10	Radostits, O., Mayhew, I., Houston, D. (2001): Veterinary clinical examination and diagnosis. Saunders, Philadelphia. Rijnberk, A., van Sluijs, F. J.(2009): Medical history and physical examination in companion animals. Saunders Elsevier, Houten.
07 May (27)	Dermatologic propedeutics part 1	prof. Nikša Lemo, PhD; assoc. prof. Mirna Brkljačić	SCP	1,2	08-10	Miller, W. Jr, Griffin, C., Campbell, K. (2013):.Muller & Kirk's Small Animal Dermatology. Saunders-Elsevier, St Louis; 7th Ed.
10 May (28)	Dermatologic propedeutics part 2	prof. Nikša Lemo, PhD; ass. prof. Martina Crnogaj, PhD	SCP	1,2	10-12	Miller, W. Jr, Griffin, C., Campbell, K. (2013):.Muller & Kirk's Small Animal Dermatology. Saunders-Elsevier, St Louis; 7th Ed.
11 May (29)	Taking history, signalment and clinical findings of patients at admission. Clinical	assoc. prof. Mirna Brkljačić, PhD; ass. prof.	SCP	1,2	08-10	Radostits, O., Mayhew, I., Houston, D. (2001): Veterinary clinical examination and diagnosis. Saunders, Philadelphia.

	examination of hospitalised patients.	Jelena Gotić, PhD				Rijnberk, A., van Sluijs, F. J.(2009): Medical history and physical examination in companion animals. Saunders Elsevier, Houten.
12 May (30)	Repetition, preparation for the exam.	prof. Nada Kučer, PhD; ass. prof. Jelena Gotić, PhD	SCP	1,2	8-10	Radostits, O., Mayhew, I., Houston, D. (2001): Veterinary clinical examination and diagnosis. Saunders, Philadelphia. Rijnberk, A., van Sluijs, F. J.(2009): Medical history and physical examination in companion animals. Saunders Elsevier, Houten.

STUDENT OBLIGATIONS

Lecture attendance	Minimal number of points: 3 (23 hours); maximal number of points: 6 (45 hours). During the semester for the course „Clinical propedeutics“ the student must be present at 23 hours of lectures in order to obtain minimal 3 points. Maximal number of points that can be obtained with attendance to lectures is 6 points (45 hours of lectures, 1 hour of lectures is 0,133 points).
Practicals attendance	Minimal number of points: 8 (42 hours); maximal number of points: 12 (60 hours). During the semester for the course „Clinical propedeutics“ the student must be present at 21 practicals in order to obtain minimal 8 points. Maximal number of points that can be obtained with attendance to practicals is 12 points. (60 hours of practicals, one practical is 0,4 points). Each excused absence within allowed maximum (20 hours, 30%) student has to compensate in agreement with the practicals leader (knowledge check-up performed by the teacher to confirm the knowledge of the student for particular practicals).
Active participation in seminars and practicals	Minimal number of points: 5; maximal number of points: 10. At the beginning of each practicals teacher performs short knowledge test. The content of the knowledge test is theoretical knowledge necessary for the practicals that are going to be held (new practicals content) and/or knowledge from already held practicals. During practicals students will learn

	predetermined number of procedures and/or examinations. Activity during practicals is recorded in personal file of each student. Activity at the practicals is estimated by the teacher that is holding each practicals.
Final exam	Final exam begins with short analysis of all the points obtained by each of 4 activities of continued teaching process. Final exam is oral exam with practical demonstrations performed by the student. Knowledge test consists of 6 theoretical and practical questions: minimal number of points: 24, maximal number of points 40. Each question is 6,66 points. (Grades: 1 = 0 points; 2 = 4,0 points; 3 = 4,9 points; 4 = 5,8 points; 5 = 6,66 points). Students are expected to answer to each question with more than 51% of content. One insufficient answer in 6 questions is sufficient for negative final exam outcome.
Examination requirements	Student requirements are defined in the Regulations on the Integrated Undergraduate and Graduate Study of Veterinary Medicine. Given the above, the student must acquire a minimum number of points from all assessment elements in order to take the final exam. Article 45: a student can justifiably be absent from up to 50 % of the lectures; 30% of the seminars and 30 % of the exercises.

GRADING AND EVALUATING STUDENT WORK

Continuous knowledge-checking (mid-terms)	Colloquium consists of 5 theoretical and practical questions that have to be answered by the student either orally or practically. Minimal number of points: 20, maximal number of points: 32. Each question is maximally 6,4 points. (Grades: 1 = 0 points; 2 = 4,0 points; 3 = 4,8 points; 4 = 5,6 points; 5 = 6,4 points). Colloquium will be held after 50% of practicals have been held. This year colloquium will be held on 2nd April in scheduled time for practicals. Students are expected to answer to each question with more than 51% of content. One insufficient answer in 5 questions is sufficient for negative colloquium outcome.
Final exams (dates)	17/6/2021 24/6/2021 9/7/2021 2/9/2021 16/9/2021
Form of final exam	Final exam begins with short analysis of all the points obtained by each of 4 activities of continued teaching process. Final exam is oral exam with practical demonstrations performed by the student. Knowledge test consists of 6 theoretical and practical questions: minimal number of points: 24, maximal number of points 40. Each question is 6,66 points. (Grades: 1 = 0 points; 2 = 4,0 points; 3 = 4,9 points; 4 = 5,8 points; 5 = 6,66 points). Students are expected to answer to each question with more than 51% of content. One insufficient answer in 6

questions is sufficient for negative final exam outcome.

LITERATURE

Obligatory literature	Radostits, O., Mayhew, I., Houston, D. (2001): Veterinary clinical examination and diagnosis. Saunders, Philadelphia. Rijnberk, A., van Sluijs, F. J. (2009): Medical history and physical examination in companion animals. Saunders Elsevier, Houten.
Optional literature	Bexfield, N., Lee, K. (2010): BSAVA Guide to procedures in small animal practice. BSAVA, Quedgeley. Rockett, J., Bosted, S. (2016): Veterinary clinical procedures in large animal practice. Cengage Learning, Boston. Speirs, V. E., Wrigley, R. H. (1997): Clinical examination of horses. Saunders, Pennsylvania. Jackson, P. G. G., P. D. Cockroft (2002): Clinical examination of farm animals. Blackwell, Oxford. Miller, W. Jr, Griffin, C., Campbell, K. (2013): Muller & Kirk's Small Animal Dermatology. Saunders-Elsevier, St Louis; 7th Ed. Aspinall, V., Aspinall, R. (2013): Clinical procedures in small animal veterinary practice. Saunders Elsevier, Edinburgh. Costa, L. R. R., Paradis, M. R. (2018): Clinical procedures in the horse, Willey Blackwell, New Delhi. Englar, R. E. (2017): Performing the small animal physical examination. Willey Blackwell, New York.

OBJECTIVES AND LEARNING OUTCOMES

Course objectives	Preparation of domestic animals and little carnivores for clinical exam, recognition of internal diseases symptoms using inspection, palpation, percussion and auscultation, sense of smell and measuring (changes of body weight, retarded growth, weakness and syncope, anorexia and polyphagia, changes of behaviour, pain, hypothermia and hyperthermia, cough, dyspnoea, ascites, peritonitis and other causes of abdominal distention, cardiopulmonary arrest, sneezing and nasal discharge, abnormal heart sounds and heart murmurs, EKG, changed pulse qualities, oedema, liquidothorax, vomiting, regurgitation and dysphagia, diarrhoea, constipation, tenesmi, incontinence, melanea, haematochesia, ptyalism, joint effusion, lameness, tremor, ataxia, paresis, paralysis, stupor and coma, epileptiform seizures, polyuria, polydipsia, incontinence, enuresis, dyisuria, urinary tract obstruction, urinalysis, vaginal and preputial discharge, anaemia, cyanosis, jaundice, skin changes (alopecia, pruritus, lumps),
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	lymphadenopathies, performing of clinical lab studies of animals according to body systems, intubation, catheterization, venepuncture, rectal examination, therapy preparation for application and i/m, s/c, i/v application, infusion therapy.
Learning-outcomes	<p>Students will be able to take history, and correctly approach to large and small animals and perform clinical and neurological examination in a safe manner.</p> <ol style="list-style-type: none"> 1. Students shall be able to take adequate disease history. 2. Students will be able to make clinical examination. 3. Students will have adequate knowledge for basic differential diagnostics of most common clinical problems. 4. Students shall be able to perform additional clinical examinations (depending of the organ system involved). 5. Students will be able to decide which advanced additional clinical methods of examination should be employed and be able to partly conduct those methods, eg. blood analysis). <p>The knowledge obtained during clinical propedeutics shall be the basis for all other clinical subjects. Internal diseases, Diseases and treatment of dogs and cats II, Herd medicine, Equine diseases).</p>

GRADING SCHEME

<i>Points</i>	<i>Grade</i>
Up to 59	1 (F)
60-68	2 (E)
69-76	2 (D)
77-84	3 (C)
85-92	4 (B)
93-100	5 (A)

Course leader:

Jane Kir

Head of Department/Clinic:

Jane Kir

Note: The course leader is required to submit a Course Syllabus to all teachers and associates pertaining to the Course.