

Course Internal Medicine

UNIVERSITY OF ZAGREB
FACULTY OF VETERINARY MEDICINE
Heinzelova 55
Tel. 01/23 90 350
Division: Clinical Division
Organizational unit: Internal Medicine
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Register No of the organisational unit:
Zagreb, 03/02/2026



215725	REPUBLIKA HRVATSKA	
Veterinarski fakultet u Zagrebu		
Primljeno:	17.02.2026	
Klasifikacijska oznaka	Org. jed.	
602-04/25-22/34	251-61-41;	
Urudžbeni broj	Prilozi	Vrijednost
251-61-20/388-26-181	0	-

COURSE SYLLABUS

Course name: Internal Medicine II
Academic year 2025/2026

Course leader: Assoc. Prof. Marin Torti, PhD, DVM

Deputy course leader: Assoc. Prof. Jelena Gotić, PhD, DVM

Teachers: Prof. Damjan Gračner, PhD, DVM, Prof. Nada Kučer, PhD, DVM, Prof. Nikša Lemo, PhD, DVM, DECVD, Prof. Vesna Matijatko, PhD, DVM, Assoc. Prof. Mirna Brkljačić, PhD, DVM, Assoc. Prof. Martina Crnogaj, PhD, DVM, Assoc. Prof. Jelena Gotić, PhD, DVM, Assoc. Prof. Ivana Kiš, PhD, DVM, Assoc. Prof. Iva Šmit, PhD, DVM, Assoc. Prof. Marin Torti, PhD, DVM, Assist. Prof. Darko Grden, PhD, DVM, Maša Efendić, PhD, DVM, Gabrijela Jurkić, PhD, DVM, Filip Kajin, PhD, DVM, DECVN, Blanka Beer Ljubić, PhD, DVM, Katarina Marjanović, DVM, Elizabeta Pongrac, DVM.

First day of classes: 05/03/2026

Last day of classes: 03/06/2026

Activities - Internal Medicine II (1/4)

Start Date	Start T	End Ti	Course	Group	Note	Length	Instructor	Room
05/03/2026	13:30	15:00	v01 Skills lab	8E-3		1:30	Nastavnici na predmetu	V_interna
06/03/2026	12:15	13:45	p06 Neurology 1 (Symptoms, Vestibular)	8E-1, 8E-2, 8E-3		1:30	Kiš I.	P_klinike
09/03/2026	8:00	9:30	v01 Skills lab	8E-2		1:30	Nastavnici na predmetu	V_interna
09/03/2026	10:00	11:30	v01 Skills lab	8E-1		1:30	Nastavnici na predmetu	V_interna
09/03/2026	13:30	15:00	p07 Neurology 2 (Seizures)	8E-1, 8E-2, 8E-3		1:30	Kiš I.	P_klinike
10/03/2026	9:30	10:15	p08 Neurologija 3 (SRMA)	8E-1, 8E-2, 8E-3		0:45		P_klinike
10/03/2026	10:15	11:00	p09 Endocrinology 1 (D. insipidus)	8E-1, 8E-2, 8E-3		0:45	Kučer N.	P_klinike
11/03/2026	8:00	9:30	p09 Neurology 5 (Myasthenia, PNS, Spinal)	8E-1, 8E-2, 8E-3		1:30	Kiš I.	P_fizika
19/03/2026	14:15	15:45	p10 Endocrinology 2 (Adrenals)	8E-1, 8E-2, 8E-3		1:30	Matijatko V.	P_klinike
24/03/2026	8:00	9:30	p02 Dermatology 1 (Pruritus, Allergies)	8E-1, 8E-2, 8E-3		1:30	Lemo N.	P_fizika
24/03/2026	14:00	14:45	p11 Endocrinology 4 (Complication of DM)	8E-1, 8E-2, 8E-3		0:45	Kučer N.	P_klinike
24/03/2026	14:45	15:30	p11 Endocrinology 3 (D. mellitus)	8E-1, 8E-2, 8E-3		0:45	Matijatko V.	P_klinike
26/03/2026	8:15	9:00	p12 Endocrinology 5 (Thyroids)	8E-1, 8E-2, 8E-3		0:45	Kučer N.	P_fizika
26/03/2026	9:00	9:45	p12 Endocrinology 6 (Horm. active)	8E-1, 8E-2, 8E-3		0:45	Brkljačić M.	P_fizika

Activities - Internal Medicine II (2/4)

Start Date	Start T	End Ti	Course	Group	Note	Length	Instructor	Room
26/03/2026	10:00	16:00	v02 Clinical Practicals 1	8E-2		6:00	Nastavnici na predmetu	V_interna
27/03/2026	10:00	16:00	v03 Clinical Practicals 2	8E-2		6:00	Nastavnici na predmetu	V_interna
30/03/2026	8:15	9:45	p03 Dermatology 2 (Otitis, Cats)	8E-1, 8E-2, 8E-3		1:30	Lemo N.	P_fiziologija
30/03/2026	10:00	16:00	v04 Clinical Practicals 3	8E-2		6:00	Nastavnici na predmetu	V_interna
31/03/2026	10:00	16:00	v05 Clinical Practicals 4	8E-2		6:00	Nastavnici na predmetu	V_interna
01/04/2026	10:00	16:00	v06 Clinical Practicals 5	8E-2		6:00	Nastavnici na predmetu	V_interna
07/04/2026	8:00	8:45	p13 Endocrinology 7 (Equine)	8E-1, 8E-2, 8E-3		0:45	Gotic J.	P_kemija
07/04/2026	8:45	9:30	p14 Large Animal Neurology	8E-1, 8E-2, 8E-3		0:45	Kiš I.	P_kemija
09/04/2026	11:45	12:30	p15 Rabbit Medicine	8E-1, 8E-2, 8E-3		0:45	Brkljačić M.	P_klinike
09/04/2026	12:30	13:15	p15 V Emerg Med	8E-1, 8E-2, 8E-3		0:45	Kiš I.	P_klinike
09/04/2026	13:30	15:00	p04 Dermatology 3 (IM and Endo. Dz.)	8E-1, 8E-2, 8E-3		1:30	Lemo N.	P_klinike
10/04/2026	8:00	8:45	p01 Pig Medicine I	8E-1, 8E-2, 8E-3		0:45	Grden D.	P_klinike
10/04/2026	14:15	15:00	p16 V Crit Care	8E-1, 8E-2, 8E-3		0:45	Matijatko V.	P_klinike
10/04/2026	15:00	15:45	p17 Ferret Dz.	8E-1, 8E-2, 8E-3		0:45	Matijatko V.	P_klinike
14/04/2026	12:00	12:45	p01 Pig Medicine II	8E-1, 8E-2, 8E-3		0:45	Grden D.	P_klinike
15/04/2026	10:00	16:00	v02 Clinical Practicals 1	8E-3		6:00	Nastavnici na predmetu	V_interna

Activities - Internal Medicine II (3/4)

Start Date	Start T	End Ti	Course	Group	Note	Length	Instructor	Room
16/04/2026	10:00	16:00	v03 Clinical Practicals 2	8E-3		6:00	Nastavnici na predmetu	V_interna
20/04/2026	15:30	16:15	p05 Dermatology 4 (Inflammatory Dz.)	8E-1, 8E-2, 8E-3		0:45	Lemo N.	P_klinike
21/04/2026	15:30	16:15	p05 Dermatology 5 (Large animals)	8E-1, 8E-2, 8E-3		0:45	Lemo N.	P_klinike
22/04/2026	10:00	16:00	v04 Clinical Practicals 3	8E-3		6:00	Nastavnici na predmetu	V_interna
27/04/2026	10:00	16:00	v05 Clinical Practicals 4	8E-3		6:00	Nastavnici na predmetu	V_interna
28/04/2026	10:00	16:00	v06 Clinical Practicals 5	8E-3		6:00	Nastavnici na predmetu	V_interna
12/05/2026	8:00	14:00	v02 Clinical Practicals 1	8E-1		6:00	Nastavnici na predmetu	V_interna
14/05/2026	10:00	16:00	v03 Clinical Practicals 2	8E-1		6:00	Nastavnici na predmetu	V_interna
18/05/2026	13:15	15:30	s01 Seminar 1	8E-1, 8E-2, 8E-3		2:15		P_klinike
20/05/2026	9:00	15:00	v04 Clinical Practicals 3	8E-1		6:00	Nastavnici na predmetu	V_interna
26/05/2026	11:45	14:00	s02 Seminar 2	8E-1, 8E-2, 8E-3		2:15		P_klinike
27/05/2026	9:00	15:00	v05 Clinical Practicals 4	8E-1		6:00	Nastavnici na predmetu	V_interna
02/06/2026	9:00	15:00	v06 Clinical Practicals 5	8E-1		6:00	Nastavnici na predmetu	V_interna
03/06/2026	8:15	10:30	s03 Seminar 3	8E-1, 8E-2, 8E-3		2:15		P_klinike

Activities - Internal Medicine II (4/4)

Start Date	Start T	End Ti	Course	Group	Note	Length	Instructor	Room
Total: 44						123:45		

Timetable for LECTURES academic year 2025/2026

STUDENT OBLIGATIONS

Lecture attendance	By attending lectures in the seventh semester the student gains from 2 to 4 points (60 lecture hours; each lecture hour equals a coefficient of 0,0665) and in the eight semester 1 to 2 points (30 lecture hours; each lecture hour equals a coefficient of 0,0665). Student must attend at least 30 lecture hours (50%) in the seventh semester, for a minimum of 3 points, and at least 15 lecture hours (50%) in the eight semester, for a minimum of 1 point. The maximum number of points from this element is 6 points.
Seminars attendance	During the semester the student must perform at least 8 different standardized practical procedures on animals for a minimum of 5 points. The maximum number of points from this element is 10 points, or 16 different practical procedures.
Practicals attendance	By attending practicals in the seventh semester the student gains from 5 to 7 points (69 exercise hours; each exercise hour equals a coefficient of 0,1) and in the eight semester 3 to 4 (42 exercise hours; each exercise hour equals a coefficient of 0,1). Student must attend at least 48 exercise hours (70%) in the seventh semester, for a minimum of 5 points, and at least 30 exercise hours (70%) in the eight semester, for a minimum of 3 points. The maximum number of points from this element is 10 points.
Active participation in seminars and practicals	During the semester the student must perform 8 different activities (practical procedures or patient analyses) by himself to achieve a minimum of 5 points. The maximum of this element is 10 points (16 different independent activities). Each activity is 0.625 point.
Final exam	The final exam includes written and oral exam. Written exam is composed of 24 questions. The student must answer 14 questions correctly to achieve a minimum of 14 points to fulfil the criteria for oral exam. The maximum of written part of final exam is 24 points (24 correct answers). Each correct answer is 1 point. The oral part of final exam is composed of 8 questions. The minimum points per each question is 1.25 points while maximum is 2 points. The minimum of oral part of the final exam is 10 points and maximum is 16 points. Therefore, the minimum of points required for student to pass the final exam (both written and oral) is 24 points while maximum is 40 points.
Examination requirements	Student requirements are defined in the Regulations on the Integrated Undergraduate and Graduate Study of Veterinary Medicine (2024). Given the above, the student must acquire a minimum number of points from all assessment elements in order to take the final exam. Regulations On Intergraduate And Graduate Studies, Article 41: 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)	The students will have during the seventh semester a mid-term (preliminary) written exam consisting of 16 questions. Each question equals 2 points, with a maximum of 32 points. The minimum number of points required to pass is 20. Taking and passing the test is required for the continuation into the eight semester and registration of final exam. Mid-term (preliminary) written exam dates: 03/11/2025, 10/11/2025, 17/11/2025, 24/11/2025.
Final exams (dates)	17/03/2026, 20/05/2026, 29/06/2026, 09/07/2026, 03/09/2026, 18/09/2026.
Form of final exam	Written exam and oral exam following passed written exam.

LITERATURE

<p>Obligatory literature</p>	<p>Lecture handouts via Merlin.</p> <p>Selected chapters from (list available via Merlin):</p> <ol style="list-style-type: none"> 1. ETTINGER, S. J., E. C. FELDMAN, E. COTE (2018): Textbook of Veterinary Internal Medicine, 8th Edition, Saunders Elsevier, Edinburgh, London, New York, Oxford, Philadelphia, St. Louis, Sydney, Toronto. 2. NELSON, R. W., C. G. COUTO (2019): Small Animal Internal Medicine, 6th Edition, Saunders Elsevier, Edinburgh, London, New York, Oxford, Philadelphia, St. Louis, Sydney, Toronto. 3. RADOSTITS, O. M., C. C. GAY, K. W. HINCHCLIFF, P. D. CONSTABLE (2007): Veterinary medicine. A textbook of the diseases of cattle, horses, sheep, pigs, and goats. 10th Edition, Saunders Elsevier, Edinburgh, London, New York, Oxford, Philadelphia, St. Louis, Sydney, Toronto. 4. SMITH, B. P., D. C. VAN METRE, N. PUSTERLA (2019): Large Animal Internal Medicine, 6th Edition, Saunders Elsevier, Edinburgh, London, New York, Oxford, Philadelphia, St. Louis, Sydney, Toronto.
<p>Optional literature</p>	<ol style="list-style-type: none"> 1. ETTINGER, S. J., E. C. FELDMAN, E. COTE (2018): Textbook of Veterinary Internal Medicine, 8th Edition, Saunders Elsevier, Edinburgh, London, New York, Oxford, Philadelphia, St. Louis, Sydney, Toronto. 2. NELSON, R. W., C. G. COUTO (2019): Small Animal Internal Medicine, 6th Edition, Saunders Elsevier, Edinburgh, London, New York, Oxford, Philadelphia, St. Louis, Sydney, Toronto. 3. RADOSTITS, O. M., C. C. GAY, K. W. HINCHCLIFF, P. D. CONSTABLE (2007): Veterinary medicine. A textbook of the diseases of cattle, horses, sheep, pigs, and goats. 10th Edition, Saunders Elsevier, Edinburgh, London, New York, Oxford, Philadelphia, St. Louis, Sydney, Toronto. 4. SMITH, B. P., D. C. VAN METRE, N. PUSTERLA (2019): Large Animal Internal Medicine, 6th Edition, Saunders Elsevier, Edinburgh, London, New York, Oxford, Philadelphia, St. Louis, Sydney, Toronto.

OBJECTIVES AND LEARNING OUTCOMES

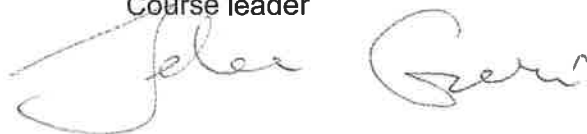
Course objectives	Diagnosis and treatment of the diseases of digestive, cardiovascular, respiratory, and urinary system, as well as diagnosis and treatment of neurologic, endocrinological, hematopoetic, neoplastic, dermatological diseases in different species of domestic animals. Basics of emergency and critical care medicine.
Learning outcomes	<ol style="list-style-type: none">1. Students will be able to establish a diagnosis based on disease history and clinical examination.2. Students will have adequate knowledge to make a list of differential diagnoses and to decide which advanced clinical methods should be used to establish a final diagnosis.3. Students will be able to interpret the results of various findings.4. Students will be able to order an adequate treatment according to symptoms and diagnosis.5. Based on the trend of various findings students will be able to modify the treatment.6. Based on everything afore mentioned, students will be able to form a correct outcome prognosis.

Course: Internal Medicine

GRADING SCHEME

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

Course leader



Head of organizational unit:



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