UNIVERSITY OF ZAGREB
FACULTY OF VETERINARY MEDICINE
Heinzelova 55
Tel. 01/2390-360
Division: Veterinary Public Health and Food Safety
Organizational unit: Parasitology and Parasitic Diseases with Clinics
E-mail of the course leader: fmartinkovic@vef.hr
Register No of the organisational unit: 61-12-26-6
Zagreb, 30.01.2026.

COURSE SYLLABUS

Course name: Parasitology and Parasitic Diseases I
Academic year 2025/2026

Course leader: Assoc. Prof. Franjo Martinković

Deputy course leader: prof. Albert Marinculić*

Teachers: Assoc. prof. Franjo Martinković; Nika Konstantinović, DVM; Lea Grbavac, DVM

First day of classes: 02/03/2026
Last day of classes: 11/06/2026

* The deputy course leader is taking a sabbatical year (2025/2026).

Activities - Parasitology and parasitic diseases II (1/6)

Start Date	Start T	End Ti		Grou	Note	Length	Instructor	Roo
02/03/2026	13:00	14:30	p01 Trichostrongylidae, Rhabditidae, Strongylidae	6E-1, 6E-2, 6E-3		1:30	Martinković F.	V_parazitologija
03/03/2026	12:00	13:30	v01 Ancylostomatidae,Strongylidae	6E-2		1:30	Nastavnici na predmetu	V_parazitologija
05/03/2026	10:00	11:30	v01 Ancylostomatidae,Strongylidae	6E-1		1:30	Nastavnici na predmetu	V_parazitologija
06/03/2026	12:00	13:30	v01 Ancylostomatidae,Strongylidae	6E-3		1:30	Nastavnici na predmetu	V_parazitologija
10/03/2026	11:30	13:00	v02 Trichostrongylidae, Strongyloides	6E-2		1:30	Nastavnici na predmetu	V_parazitologija
10/03/2026	13:30	15:00	v02 Trichostrongylidae, Strongyloides	6E-1		1:30	Nastavnici na predmetu	V_parazitologija
13/03/2026	8:15	9:45	v02 Trichostrongylidae, Strongyloides	6E-3, V_parazitologija		1:30	Nastavnici na predmetu	V_parazitologija
17/03/2026	9:45	11:15	p02 Dictyocaulidae, Metastrongylidae, Protostrongyidae	6E-1, 6E-2, 6E-3		1:30	Martinković F.	V_parazitologija
18/03/2026	15:00	16:30	v03 Lungworms, Trichuris spp.	6E-2		1:30	Nastavnici na predmetu	V_parazitologija
19/03/2026	14:30	16:00	v03 Lungworms, Trichuris spp.	6E-1		1:30	Nastavnici na predmetu	V_parazitologija
23/03/2026	13:15	14:45	v03 Lungworms, Trichuris spp.	6E-3, V_parazitologija		1:30	Nastavnici na predmetu	V_parazitologija
25/03/2026	14:15	15:45	p03 Trichuridae, Trichinellidae, Capillaridae	6E-1, 6E-2, 6E-3		1:30	Martinković F.	V_parazitologija

Activities - Parasitology and parasitic diseases II (2/6)

Start Date	Start T	End Ti		Grou	Note	Length	Instructor	Roo
27/03/2026	13:15	14:45	v04 Coprological parasitological examination pt.1	6E-2		1:30	Nastavnici na predmetu	V_parazitologija
31/03/2026	13:30	15:00	v04 Coprological parasitological examination pt.1	6E-1		1:30	Nastavnici na predmetu	V_parazitologija
01/04/2026	11:30	13:00	v04 Coprological parasitological examination pt.1	6E-3		1:30	Nastavnici na predmetu	V_parazitologija
07/04/2026	11:45	13:15	v05 Coprological parasitological examination pt.2	6E-2		1:30	Nastavnici na predmetu	V_parazitologija
08/04/2026	14:00	15:30	v05 Coprological parasitological examination pt.2	6E-1		1:30	Nastavnici na predmetu	V_parazitologija
09/04/2026	9:45	11:15	v05 Coprological parasitological examination pt.2	6E-3		1:30	Nastavnici na predmetu	V_parazitologija
13/04/2026	12:30	14:00	v06 Diagnostics of trichinellosis pt.1, trichineloscopy	6E-1		1:30	Nastavnici na predmetu	V_parazitologija
13/04/2026	14:15	15:45	v06 Diagnostics of trichinellosis pt.1, trichineloscopy	6E-2		1:30	Nastavnici na predmetu	V_parazitologija

Activities - Parasitology and parasitic diseases II (3/6)

Start Date	Start T	End Ti		Grou	Note	Length	Instructor	Roo
14/04/2026	13:30	15:00	v06 Diagnostics of trichinellosis pt.1, trichineloscopy	6E-3		1:30	Nastavnici na predmetu	V_parazitologija
15/04/2026	11:30	13:00	v07 Diagnostics of trichinellosis pt.2, artificial digestion	6E-3		1:30	Nastavnici na predmetu	V_parazitologija
16/04/2026	8:15	9:45	v07 Diagnostics of trichinellosis pt.2, artificial digestion	6E-2		1:30	Nastavnici na predmetu	V_parazitologija
16/04/2026	14:30	16:00	p04 Filariata, Sirurata, Arthropoda - introduction	6E-1, 6E-2, 6E-3		1:30	Martinković F.	V_parazitologija
17/04/2026	11:30	13:00	v07 Diagnostics of trichinellosis pt.2, artificial digestion	6E-1		1:30	Nastavnici na predmetu	V_parazitologija
17/04/2026	13:15	14:45	v08 Coprological parasitological examination pt.3	6E-2		1:30	Nastavnici na predmetu	V_parazitologija
22/04/2026	8:00	9:30	v08 Coprological parasitological examination pt.3	6E-1		1:30	Nastavnici na predmetu	V_parazitologija
24/04/2026	8:00	9:30	v08 Coprological parasitological examination pt.3	6E-3		1:30	Nastavnici na predmetu	V_parazitologija
27/04/2026	13:30	15:00	v09 Dirofilaria	6E-1		1:30	Nastavnici na predmetu	V_parazitologija

Activities - Parasitology and parasitic diseases II (4/6)

Start Date	Start T	End Ti		Grou	Note	Length	Instructor	Roo
29/04/2026	12:45	14:15	v09 Dirofilaria	6E-2		1:30	Nastavnici na predmetu	V_parazitologija
29/04/2026	14:30	16:00	v09 Dirofilaria	6E-3		1:30	Nastavnici na predmetu	V_parazitologija
04/05/2026	8:00	9:30	p05 Acarina, Ixodidae, Argasidae, Trombicidae, Dermanyssidae	6E-1, 6E-2, 6E-3		1:30	Martinković F.	V_parazitologija
05/05/2026	11:00	12:30	v10Ixodidae, Argasidae	6E-1		1:30	Nastavnici na predmetu	V_parazitologija
06/05/2026	13:15	14:45	v10Ixodidae, Argasidae	6E-2		1:30	Nastavnici na predmetu	V_parazitologija
08/05/2026	14:00	15:30	v10Ixodidae, Argasidae	6E-3		1:30	Nastavnici na predmetu	V_parazitologija
11/05/2026	14:00	15:30	p06 Sarcoptidae, Psoroptidae, Demodicidae, Cheyletiidae	6E-1, 6E-2, 6E-3		1:30	Martinković F.	V_parazitologija
14/05/2026	10:00	11:30	v11 Mange	6E-2		1:30	Nastavnici na predmetu	V_parazitologija
14/05/2026	12:00	13:30	v11 Mange	6E-3		1:30	Nastavnici na predmetu	V_parazitologija
15/05/2026	13:00	14:30	v11 Mange	6E-1		1:30	Nastavnici na predmetu	V_parazitologija
19/05/2026	8:00	9:30	p07 Insecta-Introduction, Mallophaga, Anoplura, Siphonaptera	6E-1, 6E-2, 6E-3		1:30	Martinković F.	V_parazitologija

Activities - Parasitology and parasitic diseases II (5/6)

Start Date	Start T	End Ti		Grou	Note	Length	Instructor	Roo
20/05/2026	10:00	11:30	v12Sucking blood insects	6E-2		1:30	Nastavnici na predmetu	V_parazitologija
20/05/2026	11:45	13:15	v12Sucking blood insects	6E-3		1:30	Nastavnici na predmetu	V_parazitologija
20/05/2026	14:00	15:30	p08 Tabanidae, muscidae, Hippoboscidae, Culicidae, Caliphoridae, Sarcophagidae, Oestridae	6E-1, 6E-2, 6E-3		1:30	Martinković F.	V_parazitologija
21/05/2026	8:00	9:30	v12Sucking blood insects	6E-1		1:30	Nastavnici na predmetu	V_parazitologija
25/05/2026	13:30	15:00	v13 Facultative and obligatory myasis	6E-2		1:30	Nastavnici na predmetu	V_parazitologija
26/05/2026	13:30	15:00	v13 Facultative and obligatory myasis	6E-1		1:30	Nastavnici na predmetu	V_parazitologija
27/05/2026	11:45	13:15	v13 Facultative and obligatory myasis	6E-3		1:30	Nastavnici na predmetu	V_parazitologija
28/05/2026	8:15	9:45	v14 Vectors and molestants	6E-1		1:30	Nastavnici na predmetu	V_parazitologija
29/05/2026	13:30	15:00	v14 Vectors and molestants	6E-2		1:30	Nastavnici na predmetu	V_parazitologija
01/06/2026	13:30	15:00	v14 Vectors and molestants	6E-3		1:30	Nastavnici na predmetu	V_parazitologija
08/06/2026	14:00	15:30	v15 Ectoparasites, diagnostics	6E-1		1:30	Nastavnici na predmetu	V_parazitologija

Activities - Parasitology and parasitic diseases II (6/6)

Start Date	Start T	End Ti		Grou	Note	Length	Instructor	Roo
09/06/2026	14:00	15:30	v15 Ectoparasites, diagnostics	6E-3		1:30	Nastavnici na predmetu	V_parazitologija
10/06/2026	10:00	11:30	v15 Ectoparasites, diagnostics	6E-2		1:30	Nastavnici na predmetu	V_parazitologija
10/06/2026	14:00	15:30	v16 Clinical diagnostics in parasitology	6E-2		1:30	Nastavnici na predmetu	V_parazitologija
11/06/2026	10:15	11:45	v16 Clinical diagnostics in parasitology	6E-3		1:30	Nastavnici na predmetu	V_parazitologija
11/06/2026	14:00	15:30	v16 Clinical diagnostics in parasitology	6E-1		1:30	Nastavnici na predmetu	V_parazitologija
Total: 56						84:00		

STUDENT OBLIGATIONS

Lecture attendance	During the course the student must attend eight (out of 16) lecture hours in order to gain 1,5 minimal points. Maximally can gain three points
Seminars attendance	
Practicals attendance	During the course the student must attend 22h (out of 32h) of practical lessons, 11 programmes out of 16 programmes) in order to gain four minimal points. Maximal points that student can gain is six. Non-attendance must be justified in order to compensate the points
Active participation in seminars and practicals	Students must be prepared for every practical. Preparedness will be tested by short oral questions. During the course, preparedness can be tested totally two times by students engagement or by teachers choice. At each test (but on different pracitcals), student can gain 1.5 points. During the course, knowledge and skills to perform coprological examination (theoretical/practical colloquium "Coprological examination two points) and parasitological skin examination (two points) will be tested. Maximal points for the activity in practicals are seven. Students will receive materials to prepare the practical on time (Merlin). During the semester short colloquia are organized. With perfect (20/20) knowledge the student can gain maximal eight points. Minimal five point will be gained with the scores 11/20. A student who does not achieve minimum five points means that is failed and will have the right to a remedial colloquium that will be held after the end of the class (two remedial colloquia at the end of the class)
Final exam	During the semester the student must collect the minimum of 19,5 points: 10 for the two colloquia, each with the minimum of five points, four points from two mandatory practical colloquium) 1,5 points for attending eight (50%) lecture hours, and four points for attending 22 practical hours. During the semester, the maximum number of points is 32: three points for two satisfactory oral answers, 16 for two - 100% solved colloquium, four for two passed mandatory practical colloquia, three points for 100% of lectures and six points for attending 100% of practicals. THE MINIMUM NUMBER OF POINTS NECESSARY TO TAKE THE EXAM is 36 (the sum of the minimum points of the V. and VI. semesters from before mentioned elements (attendance at lectures, practicals, two practical colloquia and four mandatory written colloquia) and at least one satisfactory oral answer at the practicals in the entire academic year (which brings 1.5 points). THE MAXIMUM NUMBER OF POINTS STUDENT CAN GAIN BEFORE THE EXAM is 60 (100% attendance at lectures and exercises, four satisfactory oral answers (sum of V and VI semesters), four 100% solved written colloquiums (sum of V and VI semesters) and two mandatory practical colloquiums. The oral exam contains eight questions. One question brings 0 - 5 points, the maximum is 40 points. A minimum of 24 points is required to pass the the exam.

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)	Mandatory knowledge test (Parasitological coprological examination). th, 22nd and 24th April 2026. Colloquium Nematoda 5th , 6th and 8th May 2026. Mandatory knowledge test (Parasitological skin examination) 08th, 09th and 10th June Colloquium Arthropoda 10th,and 11th June 2026.
Final exams (dates)	14/4/2026, 23/6/2026, 10/7/2026, 1/9/2026, 15/9/2026
Form of final exam	At the final exam the student answers the questions orally.

LITERATURE

Obligatory literature	DEPLAZES, P., J. ECKERT, A. MATHIS, G. VON SAMSON-HIMMELTJERNA, H. ZAHNER (2016): Parasitology in Veterinary Medicine. Wageningen Academic Publishers, Enke, Germany. 650 p. BOWMAN, D. D. (2014): Georgis' Parasitology for Veterinarians. 10th ed. St. Louis: Saunders, 2014. 496 p. ZAJAC, A. M., G. A. CONBOY, S. E. LITTLE, M. V. REICHARD (2021): Veterinary Clinical Parasitology. 9th edition. Wiley. 432 p.
Optional literature	HENDRIX, C. M., E. ROBINSON (2022): Diagnostic Parasitology for Veterinary Technicians. 6th edition. Mosby. 432p ESTRADA-PEÑA, A. BOUATTOUR, J.-L. CAMICAS, A. WALKER (2004): Ticks of domestic animals in the Mediterranean region. A guide to identification of species. University of Zaragoza, Spain, str. 1-131.

OBJECTIVES AND LEARNING OUTCOMES

Course objectives	Understanding the biology and ecology of parasites and vectors of medical and veterinary importance, differentiation and recognition of individual groups of parasites as well as individual parasites and their developmental forms within groups, understanding of invasion methods and pathogenesis of diseases caused by parasites, achievement of diagnostic skills and competencies for taking, preparing and processing samples, diagnosis by identification of parasites or their developmental stages, knowledge of treatment, prevention and monitoring of parasitic diseases, as well as understanding contemporary trends in veterinary parasitology..
Learning outcomes	After successful completing the course, the student will be able to: -Associate the biology and ecology of parasites (or vectors) of veterinary and medical importance -Identify important parasites and their developmental forms -Describe the pathogenesis of diseases/conditions caused by parasites or their developmental forms -Demonstrate diagnostic skills in collecting, preparing and examining samples -To comment the results of diagnostic methods -Suggest control (diagnosis and prevention) and adequate treatment of certain parasitic diseases

GRADING SCHEME

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

Course leader

Assocc. Prof. Franjo Martinković

Head of organizational unit:

Prof.dr.sc. Tatjana Živičnjak

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