



**DOKTORSKI
STUDIJ**
VIŠOKE RAZINE
KVALITETE



**UNIVERSITY OF ZAGREB
FACULTY OF VETERINARY MEDICINE**

**STUDENT GUIDE FOR THE WINTER SEMESTER
OF THE 2018-2019 ACADEMIC YEAR**

JULY 2018

INFORMATION ON 2018-2019 ACADEMIC YEAR WINTER SEMESTER APPLICATIONS

Application general conditions:

1. The student must get the semester of the 2017/2018 academic year approved.
2. Books must be returned to the Faculty of Veterinary Medicine of the University of Zagreb.
3. A systematic medical examination must be undergone in order to enrol in the second year of study.
4. Enrolment for students in the higher semester from 10 September until 21 September 2018.

TERMS AND CONDITIONS FOR APPLICATION FOR THE 2018-2019 ACADEMIC YEAR

Students in the second semester of study of the 2017-2018 academic year who are studying under the Integrated Undergraduate and Graduate Study of Veterinary Medicine in English and who have attended classes in the second semester of the 2017-2018 academic year may enrol in the third semester of study if they have obtained a minimum of 45 ECTS credits.

The workload remaining from the first year of study must be completed by the student's enrolment into the winter semester of the 2019-2020 academic year at the latest.

The requirement for registration into the fourth semester 2018-2019 Academic Year is to get the third semester of the 2018-2019 academic year officially approved in the student gradebook by the Student Office.

Students who have attended classes in the fourth semester of the 2017-2018 academic year of the Integrated Undergraduate and Graduate Study of Veterinary Medicine in English may enroll in the fifth semester of study if they have completed all the courses enrolled in 1st study year, and obtained a minimum of 45 ECTS credits out of courses enrolled in the 2nd study year.

The workload remaining from the 2nd study year of study must be completed by the student's enrollment into the winter semester of the 2019-2020 academic year at the latest.

The requirement for registration into the sixth semester 2018-2019 Academic Year is to get the fifth Semester of the 2018-2019 academic year officially approved in the student gradebook by the Student Office.

Students who have attended classes of the 2017-2018 academic year, but have not met the requirements for full enrolment in the higher semester of study (45 credits) may enrol only in the courses from obligatory list, as defined in the Registration Requirements documentation, corresponding to credits earned over the first year of study.

For example, 30 credits earned in the first year of study will allow you to enrol in courses of 30 credits for the second year of study. Enrolment in elective courses is not allowed.

DOCUMENTATION FOR APPLICATION SUBMISSION:

1. Grade Book (Indeks)
2. Enrolment list with the section for courses in the winter semester filled out
3. Confirmation of permanent residence or an ID card copy (for students outside the Zagreb County) from the Ministry of the Interior in order to gain the right to organized meals.

Director of English Studies

Prof Juraj Grizelj

Dean

Prof Nenad Turk

2018/2019 COURSE CATALOGUE – OBLIGATORY AND ELECTIVE COURSE LIST
(L-lecture, S-seminar, P-practical, F-fieldwork)

1st year

	Subject	COURSE DISTRIBUTION				ECTS
		L	S	P	F	
I semester						
Obligatory Subject	Physics and Biophysics	16	0	38	0	5,0
	Medical Chemistry	20	0	34	0	5,0
	Zoology	15	20	30	10	5,5
	Botany in Veterinary Medicine	10	0	10	0	1,5
	Anatomy with Organogenesis of Domestic Animals I	18	0	64	0	7,0
	Basic Statistics in Veterinary Medicine	14	0	16	0	2,5
	Introduction to Veterinary	2	6	0	12	1,5
	Environment, Animal Behaviour and Welfare	8	8	24	0	3,0
	Physical Education	0	0	30	0	1,0
	Total hours of obligatory courses:	103	34	216+30	22	32

	Subject	COURSE DISTRIBUTION				ECTS
		L	S	P	F	
II semester						
Obligatory Subject	Anatomy with Organogenesis of Domestic Animals II	20	0	100	0	8,0
	Biochemistry in Veterinary Medicine	28	12	32	0	7,5
	Histology with General Embryology	30	0	60	0	7,0
	Animal Breeds Characteristics	14	10	30	6	4,5
	Introduction to English Veterinary Medical Terminology I	0	10	5	0	1,0
	Physical Education	0	0	30	0	1,0
	Total hours of obligatory courses:	92	32	227+30	6	29
Elective Subject 2 ECTS (MIN 2, MAX 4 ECTS)	Chemistry of Natural Compounds	15	9	6	0	2,0
	History of Veterinary Medicine	15	15	0	0	2,0
	Positive Impact of Animals on Human Health	5	5	5	0	1,0
	Conservation and Management of Endangered Species	0	0	15	0	1,0
	Zoocology	0	20	0	10	2,0
	English for Academic purposes I	5	40	15	0	4,0
	Selected Chapters in Biomedical Physics for Veterinarians	20	10	0	0	2,0
	Veterinary Ethics	15	15	0	0	2,0
	Fundamentals of Scientific Research	8	4	18	0	2,0
Specific Anatomical Structures of the Locomotor Apparatus of the Horse	0	0	15	0	1,0	

2nd year

	Subject	COURSE DISTRIBUTION				ECTS
		L	S	P	F	
III semester						
Obligatory Subject	Physiology of Domestic Animals I	30	0	50	0	6,0
	Molecular Biology and Genomics in Veterinary Medicine	5	10	30	0	3,5
	Basic Animal Nutrition	15	0	30	0	3,5
	Introduction to English Veterinary Medical Terminology II	0	10	5	0	1,0
	Anatomy with Organogenesis of Domestic Animals III	15	0	63	0	5,5
	Animal Breeding and Production	14	14	16	0	3,5
	Hygiene and Housing of Animals	16	0	24	0	3,0
	Veterinary Immunology	15	0	15	0	2,5
	Physical Education	0	0	30	0	1,0
Total hours of obligatory courses:		110	34	233+30	0	29,5
Elective Subject 2 ECTS	Reptile Morphology	4	15	11	0	2,0
	English for Academic purposes II	5	40	15	0	4,0
	Basic Anatomy of Bottlenose Dolphin (<i>Tursiops truncatus</i>)	10	0	20	0	2,0
(MIN 2, MAX 4)	Comparative Anatomy of Skeletal System	10	0	20	0	2,0
	Biology and Ecology of Predators	8	4	18	0	2,0
	Fundamentals of Agronomy	12	11	7	0	2,5

	Subject	COURSE DISTRIBUTION				ECTS
		L	S	P	F	
IV semester						
Obligatory Subject	Physiology of Domestic Animals II	45	25	60	0	10,0
	Applied Animal Nutrition	25	0	20	30	5,5
	Animal Breeding and Production	22	0	12	12	3,5
	Hygiene and Housing of Animals	13	22	0	20	3,0
	General Microbiology	12	12	30	0	3,5
	Physical Education	0	0	30	0	1,0
	Total hours of obligatory courses:		117	59	122+30	62
4 ECTS (MIN 4, MAX 6 ECTS)	Game Zoology	5	0	25	0	2,0
	Anatomy of Laboratory Animals	6	0	24	0	2,0
	Archaeozoology	10	5	15	0	2,0
	Basic Biology and Fundamental Physiology of Marine Mammals	7	8	15	0	2,0
	Cytometry in Clinical Veterinary Medicine	0	15	15	0	2,0
	Fundamentals of Ecologic Livestock Breeding	10	5	15	0	2,0

3rd year

	Subject	COURSE DISTRIBUTION				ECTS
		L	S	P	F	
V semester						
Obligatory Subject	Parasitology and Parasitic Diseases	30	0	60	0	7,0
	General Veterinary Pathology	30	0	60	0	7,0
	Pathophysiology I	11	4	10	0	2,5
	Special Microbiology	15	15	30	0	4,5
	Pharmacology	45	5	35	0	6,5
	Radiation Hygiene	10	0	20	0	2,5
	Total hours of obligatory courses:	141	24	215	0	30

	Subject	COURSE DISTRIBUTION				ECTS
		L	S	P	F	
VI semester						
Obligatory Subject	Special Veterinary Pathology	60	0	75	0	10,5
	Pathophysiology II	39	6	50	0	6,5
	Clinical Propedeutics	45	0	60	0	8,0
	Communication Skills in Veterinary Medicine	16	0	12	0	1,0
	Total hours of obligatory courses:	160	6	197	0	26
Elective Subject MIN 5, MAX 6 ECTS	Fundamentals of Physics for Diagnostics Methods	20	10	0	0	2,0
	Comparative Mucosal Immunology	15	5	10	0	2,0
	Veterinary Clinical Microbiology	8	0	22	0	2,0
	Parasitology in Public Health	10	0	20	0	2,0
	Feed Additives - Health Modulators	3	2	10	0	1,0
	Pigeon Keeping and Breeding	0	15	15	0	2,0
	Breeding and Husbandry of Rabbits and Furbearers	3	25	2	0	2,0
	The Role of Veterinarians at Organic Farms	12	18	0	0	2,0
Agricultural Economics and Rural Development	10	0	20	0	2,0	

REGISTRATION AND EXAMINATION REQUIREMENTS SCHEME

I SEMESTER

SUBJECT	Registration requirements for partial-year enrollees	Examination requirements for full-year and partial-year enrollees
PHYSICS AND BIOPHYSICS	-	
MEDICAL CHEMISTRY	-	
ZOOLOGY	-	
BOTANY IN VETERINARY MEDICINE	-	
ANATOMY WITH ORGANOGENESIS OF DOMESTIC ANIMALS I	-	
ENVIRONMENT, ANIMAL BEHAVIOUR AND WELFARE	-	
BASIC STATISTICS IN VETERINARY MEDICINE	-	
INTRODUCTION TO VETERINARY	-	
PHYSICAL EDUCATION	-	

II. SEMESTER

SUBJECT	Registration requirements for partial-year enrollees	Examination requirements for full-year and partial-year enrollees
ANATOMY WITH ORGANOGENESIS OF DOMESTIC ANIMALS II	-	Anatomy with Organogenesis of domestic animals I must be completed
BIOCHEMISTRY IN VETERINARY MEDICINE	Pending completion of the course Medical Chemistry*	Medical Chemistry must be completed
HISTOLOGY WITH GENERAL EMBRYOLOGY	-	
ANIMAL BREEDS CHARACTERISTICS	-	
INTRODUCTION TO ENGLISH VETERINARY MEDICAL TERMINOLOGY I	-	
PHYSICAL EDUCATION	-	

*All classes attended, but final exam(s) yet to be taken

III. SEMESTER

SUBJECT	Registration requirements for partial-year enrollees	Examination requirements for full-year and partial-year enrollees
PHYSIOLOGY OF DOMESTIC ANIMALS I	Medical Chemistry must be completed	Physics in Biophysics, Biochemistry In Veterinary Medicine, Anatomy with organogenesis of domestic animals I, Anatomy with organogenesis of domestic animals II, Histology with general embryology must be completed
MOLECULAR BIOLOGY AND GENOMICS IN VETERINARY MEDICINE	Botany in veterinary medicine, Medical Chemistry, Biochemistry in Veterinary Medicine and Zoology must be completed	Botany in Veterinary Medicine, Medical Chemistry, Biochemistry in Veterinary Medicine and Zoology must be completed.
BASIC ANIMAL NUTRITION	Medical Chemistry must be completed.	Medical Chemistry must be completed.
ANIMAL BREEDING AND PRODUCTION	-	
HYGIENE AND HOUSING OF ANIMALS	-	
VETERINARY IMMUNOLOGY	-	
ANATOMY WITH ORGANOGENESIS OF DOMESTIC ANIMALS III	-	Anatomy with organogenesis of domestic animals I and Anatomy with organogenesis of domestic animals II must be completed.
INTRODUCTION TO ENGLISH VETERINARY MEDICAL TERMINOLOGY II	-	Introduction to English Veterinary Medical Terminology I must be completed.

IV. SEMESTER

SUBJECT	Registration requirements for partial-year enrollees	Examination requirements for full-year and partial-year enrollees
PHYSIOLOGY OF DOMESTIC ANIMALS II	Pending completion of Physiology of Domestic Animals I*	Physiology of Domestic Animals I. must be completed.
APPLIED ANIMAL NUTRITION	Pending completion of Basic Animal Nutrition*. Biochemistry in Veterinary Medicine must be completed	Basic Animal Nutrition and Biochemistry in Veterinary Medicine must be completed.
ANIMAL BREEDING AND PRODUCTION	Pending completion of the course Animal Breeding and Production from the 3 rd semester*	Animal Breeds Characteristics must be completed.
HYGIENE AND HOUSING OF ANIMALS	Pending completion of Hygiene and Housing of Animals from the 3 rd semester*	Environment, Animal Behaviour and Welfare must be completed.
GENERAL MICROBIOLOGY	Pending completion of the course Veterinary Immunology*	

*All classes attended, but final exam(s) yet to be taken

V. SEMESTER

SUBJECT	Registration requirements for partial-year enrollees	Examination requirements for full-year and partial-year enrollees
PARASITOLOGY AND PARASITIC DISEASES	Physiology of Domestic Animals I., Physiology of Domestic Animals II, Anatomy with Organogenesis of Domestic Animals I, Anatomy with Organogenesis of Domestic Animals II, Anatomy with Organogenesis of Domestic Animals III and Histology with General Embryology must be completed.	Physiology of Domestic Animals I, Physiology of Domestic Animals II, Anatomy with Organogenesis of Domestic Animals I, Anatomy with Organogenesis of Domestic Animals II, and Histology with General Embryology must be completed.
GENERAL VETERINARY PATHOLOGY	Anatomy with Organogenesis of Domestic Animals I, Anatomy with Organogenesis of Domestic Animals II, Anatomy with Organogenesis of Domestic Animals III, Histology with General Embryology, Physiology of Domestic Animals I, and Physiology of Domestic Animals II must be completed.	Anatomy with Organogenesis of Domestic Animals I, Anatomy with Organogenesis of Domestic Animals II, Anatomy with Organogenesis of Domestic Animals III, Histology with General Embryology, Physiology of Domestic Animals I, and Physiology of Domestic Animals II must be completed.
RADIATION HYGIENE	Physics and Biophysics and Physiology of Domestic Animals I must be completed.	Physics and Biophysics and Physiology of Domestic Animals I must be completed.
PATHOPHYSIOLOGY I	All first year courses must be completed and pending completion of the courses Physiology of Domestic Animals I and Physiology of Domestic Animals II*	Physiology of Domestic Animals I and Physiology of Domestic Animals II must be completed.
PHARMACOLOGY	All first year courses must be completed and pending completion of the courses Physiology of Domestic Animals I and Physiology of Domestic Animals II*	Physiology of Domestic Animals I and Physiology of Domestic Animals II must be completed.
SPECIAL MICROBIOLOGY	Veterinary Immunology and General Microbiology must be completed.*	Veterinary Immunology and General Microbiology must be completed.*

*All classes attended, but final exam(s) yet to be taken

VI. SEMESTER

SUBJECT	Registration requirements for partial-year enrollees	Examination requirements for full-year and partial-year enrollees
SPECIAL VETERINARY PATHOLOGY	Pending completion of General Veterinary Pathology and passed midterms*	General Veterinary Pathology must be completed.
PATHOPHYSIOLOGY II	Pending completion of the course Pathophysiology I*	Pathophysiology I must be completed.
CLINICAL PROPEDEUTICS	Anatomy with Organogenesis of Domestic Animals I, Anatomy with Organogenesis of Domestic Animals II, Anatomy with Organogenesis of Domestic Animals III, and Histology with General Embryology must be completed.	Anatomy with Organogenesis of Domestic Animals I, Anatomy with Organogenesis of Domestic Animals II, Anatomy with Organogenesis of Domestic Animals III, and Histology with General Embryology must be completed.

*All classes attended, but final exam(s) yet to be taken

REGISTRATION AND EXAMINATION REQUIREMENTS FOR ELECTIVE COURSES

SUBJECT	Registration requirements	Examination requirements
ARCHAEOZOOLOGY	Anatomy with Organogenesis of Domestic Animals I, Anatomy with Organogenesis of Domestic Animals II must be completed. Maximum number of students: 20	Anatomy with Organogenesis of Domestic Animals I, Anatomy with Organogenesis of Domestic Animals II must be completed.
BASIC ANATOMY OF BOTTLENOSE DOLPHIN	Pending completion of the course Anatomy with Organogenesis of Domestic Animals I., Anatomy with Organogenesis of Domestic Animals II and Histology with General Embryology Maximum number of students: 20	
SPECIFIC ANATOMICAL STRUCTURES OF THE LOCOMOTOR APPARATUS OF THE HORSE	Pending completion of the course Anatomy with Organogenesis of Domestic Animals I Maximum number of students: 20	
PARASITOLOGY IN PUBLIC HEALTH	Parasitology and Parasitic Diseases must be completed.	Parasitology and Parasitic Diseases must be completed.
COMPARATIVE ANATOMY OF SKELETAL SYSTEM	Anatomy with Organogenesis of Domestic Animals I, Anatomy with Organogenesis of Domestic Animals II must be completed. Maximum number of students: 20	Anatomy with Organogenesis of Domestic Animals I, Anatomy with Organogenesis of Domestic Animals II must be completed.
VETERINARY CLINICAL MICROBIOLOGY	Completed course and achieved the highest grades in obligatory courses: General Microbiology, Special Microbiology and Veterinary Immunology Maximum number of students: 12	Completed course and achieved the highest grades in obligatory courses: General Microbiology, Special Microbiology and Veterinary Immunology

***All classes attended, but final exam(s) yet to be taken**