



1919-2019  
FACULTY OF  
VETERINARY MEDICINE  
UNIVERSITY OF ZAGREB



**UNIVERSITY OF ZAGREB  
FACULTY OF VETERINARY MEDICINE**

**STUDENT GUIDE FOR THE SUMMER SEMESTER  
OF THE 2020-2021 ACADEMIC YEAR**

**January 2021**



## INFORMATION ON 2020-2021 ACADEMIC YEAR SUMMER SEMESTER REGISTRATION

Registration for the Summer Semester of the 2020-2021 academic year is from 25 January until 12 February 2021.

### TERMS AND CONDITIONS FOR APPLICATION FOR THE 2020-2021 ACADEMIC YEAR:

1. The requirement for registration is to get the Winter Semester of the 2020-2021 academic year officially approved in the student gradebook by the Student Office
2. Students who opt to pay the tuition fees in two instalments of 4.600 EUR should pay the second installment in order to register for the Summer Semester of the 2020-2021 academic year and produce a bank receipt about payment done as a proof.

### DOCUMENTATION FOR APPLICATION SUBMISSION:

1. Grade Book (Indeks)
2. **Enrolment form** completed with courses of Summer Semester academic year 2020-2021
3. Completed **Academic semester approval – request form** for Winter Semester academic year 2020-2021

**The classes in Summer Semester begin on 22 February 2021.**

Director of English Studies

Dean

Prof Juraj Grizelj

Prof Nenad Turk



## 2020/2021 COURSE CATALOGUE – OBLIGATORY AND ELECTIVE COURSE LIST

	Subject	COURSE DISTRIBUTION				ECTS
		L	S	P	F	
<b>2 semester</b>						
Obligatory Subject	Anatomy with Organogenesis of Domestic Animals II.	20	0	100	0	8,0
	Biochemistry in Veterinary Medicine	30	12	30	0	7,5
	Histology with General Embryology	30	0	60	0	7
	Animal Breeds Characteristics	14	10	30	6	4,5
	Introduction to English Veterinary Medical Terminology I	0	5	10	0	1
	Physical Education	0	0	30	0	1
	Total hours of obligatory courses:	94	27	230+30	6	29
Elective Subject 2 ECTS  (MIN 2, MAX 4 ECTS)	Chemistry of Natural Compounds	15	9	6	0	2
	Positive Impact of Animals on Human Health	5	5	5	0	1
	Conservation and Management of Endangered Species	0	0	15	0	1
	English for Academic purposes I	5	40	15	0	4
	Selected Chapters in Biomedical Physics for Veterinarians	20	10	0	0	2
	Veterinary Ethics	15	15	0	0	2
	Fundamentals of Scientific Research	8	4	18	0	2
	Specific Anatomical Structures of the Locomotor Apparatus of the Horse	0	0	15	0	1

	Subject	COURSE DISTRIBUTION				ECTS
		L	S	P	F	
<b>4 semester</b>						
Obligatory Subject	Physiology of Domestic Animals II	45	25	60	0	10
	Applied Animal Nutrition	25	0	20	30	5,5
	Animal Breeding and Production	14	6	14	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
	Total hours of obligatory courses:	109	65	124+30	62	26,5
4 ECTS  (MIN 4, MAX 6 ECTS)	Game Zoology	5	0	25	0	2
	Anatomy of Laboratory Animals	6	0	24	0	2
	Archaeozoology	10	5	15	0	2
	Cytometry in Clinical Veterinary Medicine	0	15	15	0	2
	Fundamentals of Ecologic Livestock Breeding	10	5	15	0	2
	Physiology of Birds	12	0	3	0	1
	Physiology of Amphibians and Reptiles	10	0	5	0	1
	Biology and Conservation of Marine Mammals	10	14	16	0	2,5



	Subject	COURSE DISTRIBUTION				ECTS
		L	S	P	F	
<b>6 semester</b>						
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
	Comparative Mucosal Immunology	15	5	10	0	2
	Veterinary Clinical Microbiology	8	0	22	0	2
	Parasitic Zoonotic Diseases	10	20	0	0	2
	Feed Additives - Health Modulators	3	2	10	0	1
	Pigeon Keeping and Breeding	0	15	15	0	2
	Breeding and Husbandry of Rabbits and Furbearers	3	25	2	0	2
	The Role of Veterinarians at Organic Farms	12	18	0	0	2
Agricultural Economics and Rural Development	10	0	20	0	2	

	Subject	COURSE DISTRIBUTION				ECTS
		L	S	P	F	
<b>8 semester</b>						
Obligatory Subject	Surgery, Orthopaedics and Ophthalmology II	30	0	40+5*	0	5,5
	Obstetrics and Reproduction I	60	0	100+5*	0	12,5
	Methods of Physical Therapy and Diagnostics	15	0	15	0	2,5
	Biology and Pathology of Beneficial Insects	11	0	16	9	2,5
	Biology and Pathology of Aquatic Organisms	11	0	20	5	2,5
	Toxicology	24	6	22	2	3,5
	Total hours of obligatory courses:	151	6	213+10*	16	29
Elective Subject MIN 2, MAX 4 ECTS	Clinical Physiology	15	0	15	0	2
	Hunting and Nature Protection	4	0	26	0	2
	Veterinary Nuclear Medicine	12	0	3	0	1
	Comparative Nutrition	5	6	4	0	1
	Cynology and Felinology	10	20	0	0	2

\*Clinic night shift hours



### 10 – SEMESTER - Study Track - Small Companion Animals (SCA)

	Subject	COURSE DISTRIBUTION				ECTS
		L	S	P	F	
<b>10 semester – STUDY TRACK Small Companion Animals (SCA)</b>						
Obligatory Subject	State Veterinary Medicine	15	30	0	0	3,5
	Infectious Diseases of Domestic Animals	50	0	30	0	7,5
	Food Hygiene and Technology	30	0	25	20	5,5
	Field Service Clinics	0	0	60	0	3,5
	Diseases and Treatment of Dogs and Cats I	0	0	45	0	3,5
	Total hours of obligatory courses:	95	30	160	20	23.5
Elective* Subject MIN 7, MAX 10 ECTS	Animal Dietetics	5	5	20	0	2
	Diseases of Honeybees in Contemporary Production	6	2	2	5	1
	Fishery	3	4	0	8	1

\* Students must enrol in courses providing at least 2 ECTS points from the 10<sup>th</sup> semester elective course list, and elective courses offered in previous semesters for the remaining ECTS points. The number of students enrolled in some elective courses may be limited by the curriculum.

### 10 – SEMESTER - Study Track - Veterinary Public Health (VPH)

	Subject	COURSE DISTRIBUTION				ECTS
		L	S	P	F	
<b>10 semester – STUDY TRACK Veterinary Public Health (VPH)</b>						
Obligatory Subject	State Veterinary Medicine	15	30	0	0	3,5
	Infectious Diseases of Domestic Animals	50	0	30	0	7,5
	Food Hygiene and Technology	30	0	25	20	5,5
	Field Service Clinics	0	0	60	0	3,5
	Food Hygiene and Quality Control	11	4	24	6	3,5
	Veterinary Legislation and Food Safety Control	28	17	0	0	3,5
	Total hours of obligatory courses:	134	51	139	26	27
Elective Subject MIN 3, MAX 6 ECTS	Autochthonous Meat Products	5	15	6	0	2
	Autochthonous Dairy Products	6	13	5	6	2
	Hygienic Quality of Game Meat	11	10	5	0	2
	Hygiene and Quality of Poultry Meat	4	8	14	0	2
	Carcass Quality at the Slaughter Line	8	10	8	0	2
	Hygiene and Quality of Fish Meat	9	12	6	0	2
	Diseases of Honeybees in Contemporary Production	6	2	2	5	1
	Fishery	3	4	0	8	1



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## 10 – SEMESTER - Study Track - Farm Animals and Horses (FAH)

	Subject	COURSE DISTRIBUTION				ECTS
		L	S	P	F	
<b>10 semester – STUDY TRACK Farm Animals and Horses (FAH)</b>						
Obligatory Subject	State Veterinary Medicine	15	30	0	0	3,5
	Infectious Diseases of Domestic Animals	50	0	30	0	7,5
	Food Hygiene and Technology	30	0	25	20	5,5
	Field Service Clinics	0	0	60	0	3,5
	Equine Medicine	9	36	45	0	7
	Total hours of obligatory courses:	119	0	223	28	27
Elective Subject MIN 3, MAX 6 ECTS	Animal Dietetics	5	5	20	0	2
	Diseases of Honeybees in Contemporary Production	6	2	2	5	1
	Fishery	3	4	0	8	1
	Sport and Working Animals	8	4+2	16	0	2

## REGISTRATION AND EXAMINATION REQUIREMENTS SCHEME

### 2 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





#### 4 SEMESTER

SUBJECT	Registration requirements for partial-year enrolees	Examination requirements for full-year and partial-year enrolees
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 3rd semester*	ANIMAL BREEDS CHARACTERISTICS and BASIC STATISTICS IN VETERINARY MEDICINE must be completed.
HYGIENE AND HOUSING OF ANIMALS	Pending completion of HYGIENE AND HOUSING OF ANIMALS from the 3rd 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

#### 6 SEMESTER

SUBJECT	Registration requirements for partial-year enrolees	Examination requirements for full-year and partial-year enrolees
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

#### 8 SEMESTER

SUBJECT	Registration requirements for partial-year enrolees	Examination requirements for full-year and partial-year enrolees
SURGERY, ORTHOPAEDICS AND OPHTHALMOLOGY II	Pending completion of the course SURGERY, ORTHOPAEDICS AND OPHTHALMOLOGY I from the 7th semester.*	SURGERY, ORTHOPAEDICS AND OPHTHALMOLOGY I must be completed.
OBSTETRICS AND REPRODUCTION I	SPECIAL VETERINARY PATHOLOGY and CLINICAL PROPAEDEUTIC must be completed.	SPECIAL VETERINARY PATHOLOGY and CLINICAL PROPAEDEUTIC must be completed.
BIOLOGY AND PATHOLOGY OF BENEFICIAL INSECTS	GENERAL VETERINARY PATHOLOGY, PHARMACOLOGY, SPECIAL MICROBIOLOGY must be completed.	GENERAL VETERINARY PATHOLOGY, PHARMACOLOGY, SPECIAL MICROBIOLOGY must be completed.



BIOLOGY AND PATHOLOGY OF AQUATIC ORGANISMS	GENERAL VETERINARY PATHOLOGY, PHARMACOLOGY, SPECIAL MICROBIOLOGY must be completed.	GENERAL VETERINARY PATHOLOGY, PHARMACOLOGY, SPECIAL MICROBIOLOGY must be completed.
TOXICOLOGY	GENERAL VETERINARY PATHOLOGY, SPECIAL VETERINARY PATHOLOGY, PATHOPHYSIOLOGY I, PATHOPHYSIOLOGY II, PHARMACOLOGY must be completed.	GENERAL VETERINARY PATHOLOGY, SPECIAL VETERINARY PATHOLOGY, PATHOPHYSIOLOGY I, PATHOPHYSIOLOGY II, PHARMACOLOGY must be completed.
METHODS OF PHYSICAL THERAPY AND DIAGNOSTICS	Pending completion of the course GENERAL AND CLINICAL RADIOLOGY, GENERAL VETERINARY PATHOLOGY, SPECIAL VETERINARY PATHOLOGY.*	GENERAL VETERINARY PATHOLOGY, SPECIAL VETERINARY PATHOLOGY must be completed.

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

### 10 SEMESTER

SUBJECT	Registration requirements for partial-year enrollees	Examination requirements for full-year and partial-year enrollees
INFECTIOUS DISEASES OF DOMESTIC ANIMALS	Pending completion of the course INFECTIOUS DISEASES OF DOMESTIC ANIMALS in the 9 <sup>th</sup> semester	INTERNAL MEDICINE must be completed.
STATE VETERINARY MEDICINE	Pending completion of the course INFECTIOUS DISEASES OF DOMESTIC ANIMALS in the 9 <sup>th</sup> semester	All courses in which students have enrolled must be completed.
FOOD HYGIENE AND TECHNOLOGY	Pending completion of the course FOOD HYGIENE AND TECHNOLOGY in the 9 <sup>th</sup> semester	All courses in years 1-4 must be completed.
FIELD SERVICE CLINICS	All subjects in 1st to 9th semester must have been attended, and the examinations passed in the following subjects: OBSTETRICS AND REPRODUCTION I and SURGERY, ORTHOPAEDICS AND OPHTHALMOLOGY II	-

### REGISTRATION AND EXAMINATION REQUIREMENTS FOR STUDY TRACK RELATED ELECTIVE COURSES AND 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.  Pending completion of ANATOMY WITH ORGANOGENESIS OF DOMESTIC ANIMALS III.  Priority will be given to students who have passed their pre-qualification exams with a grade of very good or excellent when enrolling into a course.  Maximum number of students: 20	ANATOMY WITH ORGANOGENESIS OF DOMESTIC ANIMALS I., ANATOMY WITH ORGANOGENESIS OF DOMESTIC ANIMALS II must be completed.
AUTOCHTHONOUS DAIRY PRODUCTS	Enrolled in the Veterinary Public Health Study Track	Pending completion of FOOD HYGIENE AND TECHNOLOGY





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BIOLOGY AND CONSERVATION OF MARINE MAMMALS	Maximum number of students: 30	
CARCASS QUALITY AT THE SLAUGHTER LINE	Enrolled in the Veterinary Public Health Study Track	Pending completion of FOOD HYGIENE AND TECHNOLOGY
DISEASES OF HONEYBEES IN CONTEMPORARY PRODUCTION	BIOLOGY AND PATHOLOGY OF BENEFICIAL INSECTS must be completed.  Maximum number of students: 25	BIOLOGY AND PATHOLOGY OF BENEFICIAL INSECTS must be completed.
DISEASES AND TREATMENT OF DOGS AND CATS I	Internal Medicine, Surgery, Orthopaedics and Ophthalmology II, General and Clinical Radiology, Toxicology, Obstetrics and Reproduction I must be completed.	SURGERY, ORTHOPAEDICS AND OPHTHALMOLOGY III must be completed.
FISHERY	BIOLOGY AND PATHOLOGY OF AQUATIC ORGANISMS must be completed.  Maximum number of students: 20	BIOLOGY AND PATHOLOGY OF AQUATIC ORGANISMS must be completed.
FOOD HYGIENE AND QUALITY CONTROL	All courses in years 1 to 3 must be completed, and all 4th year courses attended	FOOD HYGIENE AND TECHNOLOGY must be completed.
HYGIENE AND QUALITY OF FISH MEAT	Enrolled in the Veterinary Public Health Study Track	Pending completion of FOOD HYGIENE AND TECHNOLOGY
HYGIENE AND QUALITY OF POULTRY MEAT	Enrolled in the Veterinary Public Health Study Track	Pending completion of FOOD HYGIENE AND TECHNOLOGY
PARASITIC ZONOTIC DISEASES	Examination requirements: all courses in years 1 to 2 must be completed; fulfilled criteria for signature in the gradebook and completed progress tests.  Maximum number of students: 30	PARASITOLOGY AND PARASITIC DISEASES must be completed.
PIGEON KEEPING AND BREEDING	ENVIRONMENT, ANIMAL BEHAVIOUR AND WELFARE AND HYGIENE AND HOUSING OF ANIMALS must be completed with an average grade which is higher than 3.5 in the above mentioned subjects.  Maximum number of students :3	
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	
VETERINARY CLINICAL MICROBIOLOGY	GENERAL MICROBIOLOGY, SPECIAL MICROBIOLOGY and VETERINARY IMMUNOLOGY must be completed with an average grade which is higher than 3.5 in the above mentioned subjects.  Maximum number of students: 10	GENERAL MICROBIOLOGY, SPECIAL MICROBIOLOGY and VETERINARY IMMUNOLOGY must be completed.
VETERINARY LEGISLATION AND FOOD SAFETY CONTROL	All courses in years 1 to 3 must be completed, and all 4th year courses attended	FOOD HYGIENE AND TECHNOLOGY must be completed.

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

