

Actual course of studies

The course of studies is divided into 10 semesters (5 academic years). The winter semester (WS) extends from the 1st of October to the 31st of January, the summer semester (SS) from the 1st of March to the 30th of June.

Tables 1 and 2, and § 8 and § 23 of the Study Plan (see section 10 of this report) include an outline of the regular course of studies in Veterinary Medicine with reference to the compulsory lectures and practicals. In the legal and statutory regulations relating to university education, the amount of teaching is given in **weekly hours** (*Wochenstunden*). However, this term has various meanings depending on the time basis for which it is used. On a **weekly basis** (*Wochenstunden*), it is the number of teaching hours (45 minutes) given per week. On a **semester basis** (*Semesterwochenstunden*), it represents the number of weekly teaching hours multiplied by the number of teaching weeks (15) in one semester. On a **total basis** (*Gesamtwochenstunden*) as given in § 5 and § 11 of the Study plan, this term represents weekly hours x the number of teaching weeks x the number of semesters. To make things clear, the number of actual teaching hours is added in brackets whenever the term "weekly hours" is used in this report.

Fig. 1: Compulsory courses of the 1st section of the course of study (4 semesters): Bold vertical bars indicate that the examination have to be taken at the end of the semester in order to enter into the next phase of study or take the next cluster of examinations.

SEMESTER	1	2	3	4	5
	ZOOLOGY				
	DOMESTIC ANIMAL SCI.				
	BASES Med. PHYSICS	Med. PHYSICS +Practical			
	BASES Med. BIOCHEM	Med. BIOCHEM +Practical	Med. BIOCHEM +Practical		
	syst. ANATOMY	sys. ANATOMY +Practical	topogr. ANATOMY +Practical	topogr. ANATOMY	
		HISTOLOGY I +Practical	HISTOLOGY +Practical		
			PHYSIOLOGY	PHYSIOLOGY +Practical	
			ANIMAL BREEDING and GENETICS	ANIMAL BREEDING and GENETICS	
				BOTANY ¹	BOTANY
				NUTRITION ¹	NUTRITION
				PARASITOL ¹	PARASITOL
				PHARMACOL ¹	PHARMACOL
weekly hours	15	23	27	21	

Besides the compulsory subjects, a total of **14 weekly hours (210 hours) of elective subjects** have to be completed in the 1st section of the course of studies.

¹ Lecture of the second section of the Course of Study. The examination have to be taken after the completion of the 5th semester.

Fig. 2: Compulsory subjects in the 2nd section of the Course of Study. Bold vertical bars indicate students have to take the exams before entering into the next phase of study.

SEMESTER	5	6	7	8	9	10	
	BOTANY +Practical		NO DIPLOMA EXAMINATIONS FOR 3 SEMESTERS				
	NUTRITION +Practical						
	PARASITOL +Practical						
	PHARMACOL +Practical						
	BACT/HYG	BACT/HYG +Practical					
	VIROLOGY	VIROLOGY +Practical					
	ANIMAL HUSBANDRY & PROTECT.	ANIMAL HUSBANDRY & PROTECT.					
	GENERAL PATHOLOGY	GENERAL PATHOLOGY	SPECIAL PATHOLOGY	SPECIAL PATHOLOGY	SPECIAL PATHOLOGY		
INTERDISC. PRACTICALS	GEN. PROPEDEUT	GEN. PROPEDEUT	SPEC. PROPEDEUT	CLINIC PRACTICALS	CLINIC PRACTICALS		
			DIAGN.IMAG. +Practicals	DIAGN.IMAG. +Practicals			
		INTERNAL MED I	INTERNAL MED I	INTERNAL MED I	INTERNAL MED I		
		INTERNAL MED II	INTERNAL MED II	INTERNAL MED II	INTERNAL MED II		
		SURGERY	SURGERY+O P-Practical	SURGERY	SURGERY		
		OBST/GYN/ ANDR	OBST/GYN/ ANDR	OBST/GYN/ ANDR	OBST/GYN/ ANDR		
			POULTRY	POULTRY	POULTRY		
			ORTHOPEDE	ORTHOPEDE +OP-Practic.	ORTHOPEDE		
			FOOD HYG	FOOD HYG +Practicals	FOOD HYG +Practicals		
				FORENSIC MED			
				STATE VET	STATE VET		
weekly hours	27	26	28	30	27		

In Addition to the compulsory subjects, a total number of 24 weekly hours (360 teaching hours) of elective subjects have to be completed in the 2nd section of the course of studies, 12 weekly hours (180 teaching hours) of which have to be chosen from one of the Focal Points of Study.

There are no compulsory subjects in the 10th semester, which should be used for Elective Courses (including Focal Points of Study), for taking examinations and for Practical Training.

1st section of studies (see § 8 of the Study Plan)

The introductory **1st semester** ends with the preliminary examinations in the basic subjects **Zoology, Domestic Animal Science, the Basic Concepts of Medical Physics** and the **Basic Concepts of Medical Biochemistry**. The successful completion of all these examination subjects is a prerequisite for admission to the compulsory practicals and tutorials of the second and following semesters. Other prerequisites are listed in § 6 and § 12 of the Study Plan. They ensure that the student possesses the necessary knowledge to benefit from the practicals and group work.

The **2nd semester** ends with part-examinations in **Med.Physics** and **Systematic Anatomy**. At the end of the **3rd semester** there are the examinations in **Med. Biochemistry, Histology and Embryology**, and at the end of the **4th semester** the examinations in **Topographical Anatomy, Physiology** and **Animal Breeding/ Genetics**.

In the 4th semester lectures in Nutrition, Botany and Pharmacology (subjects for the 2nd Diploma Examination) are offered in such a way as to complement the studies in Physiology.

In the first section of the course of studies **Elective Subjects** according to § 7 of the Study Plan are also to be taken, to the extent of **14 weekly hours**. At least two hours a week must be spent on these subjects in the introductory period.

2nd section of studies (see § 23 of the Study Plan)

After completing the 1st Diploma Examination, the student goes on to the 2nd section of studies. One of the characteristic features of the 2 Section of Studies is a **continuous programme of clinical practice lasting from the 5th through the 9 semester**. In the regular **5th semester** the students begin with the **General Propaedeutic Practical**s (under supervision), which are held at the 1st and 2nd Medical Clinic together with the Institute for Parasitology. The aim of these practicals, which are given in the course of two semesters, is to enable the student to master the technique of a number of stipulated medical examinations and manipulations on the animals, each of which has to be confirmed by the tutor's signature. In the regular **7th semester** there are **Special Propaedeutic Practical**s, which impart specific abilities and skills in the various clinical disciplines. Admission to these practicals is dependent on the successful completion of the General Propaedeutic Practical and the first block of examinations for the 2nd Diploma Examination. The successful completion of the Special Propaedeutic Practical entitles the student to take part in the **Clinical Practical**s. In the Clinical Practical the advanced students in the regular **8th and 9th semester** should be integrated into the daily clinical routine, hence enabling small groups of students to be exposed to real clinical situations.

The **first block of the 2nd Diploma Examination** (paraclinical examinations) covers examinations in **Botany** (medicinal, feeding and poisonous plants as well as Pharmacognosy and the Study of Foodstuffs), **Nutrition** and **Parasitology** and **Pharmacology** (end of the 5th semester) as well as examinations in, **Bacteriology and Hygiene, Virology, Animal Husbandry and Animal Protection** as well as **General Pathology** (end of the 6. semesters).

After completing all the compulsory subjects of the "examination-free period" (7th through the 9th semester), the student can take **the rest of the part-examinations of the 2nd Diploma Examination** at any time during the semester: **Diagnostic Imaging, Surgery and Ophthalmology, Obstetrics,**

Gynaecology and Andrology, Internal Medicine I and Clinical Epidemiology², Poultry Diseases, Internal Medicine II and Clinical Epidemiology³, Orthopaedics in Ungulates, Food Hygiene (inclusive of Meat Hygiene and Milk Hygiene), Special Pathology, Forensic Veterinary Medicine and State Veterinary Medicine.

The second section of the course of studies also requires **Elective Subjects** in accordance with §§ 13 -19 of the Study Plan to a total of 24 weekly hours. The Elective Subjects must cover **at least one Focal Point of Study**.

Immediately after the completion of the 2nd Diploma Examination, the rest of the **Practical Training** may be completed so that all the requirements for the award of the **Degree of Master of Veterinary Medicine (Diploma of Veterinary Medicine)** have been met.

Focal Points:

- small animal medicine
- horse medicine
- farm animals
- food hygiene
- biotechnology

² for small animals and horses

³ for even-toed ungulates