

Faculty of Veterinary Medicine of
Ludwig-Maximilians-Universität
München



STUDY GUIDE

Contents

General Information	4
♦ Munich - Short Overview	4
♦ Buildings and Departments of the Faculty of Veterinary Medicine – Site Plans	5
International – ERASMUS+ at the Faculty of Veterinary Medicine	9
♦ Exchange Coordinators at the Faculty of Veterinary Medicine	10
♦ Adresses and Links of the LMU	10
♦ Erasmus+	11
♦ Support	11
♦ Application Requirements	11
♦ Application and Deadlines	12
♦ Enrollment at LMU	12
♦ Learning Agreement	13
♦ Transcript of Records	13
♦ Cooperating Institutions	14
♦ Tips and Information for Erasmus+ Students in Munich	15
Studies of Veterinary Medicine	17
♦ Course of Study	20
♦ Types of Courses	20
♦ Grading	21
♦ Subject Areas and Total Number of Hours	21
♦ Courses of the Individual Semesters	23
♦ Timetables	31
♦ Practical Year	45
♦ 11th Semester	46
♦ Mandatory Internships	49
♦ Compulsory Optional Subjects	49

General Information

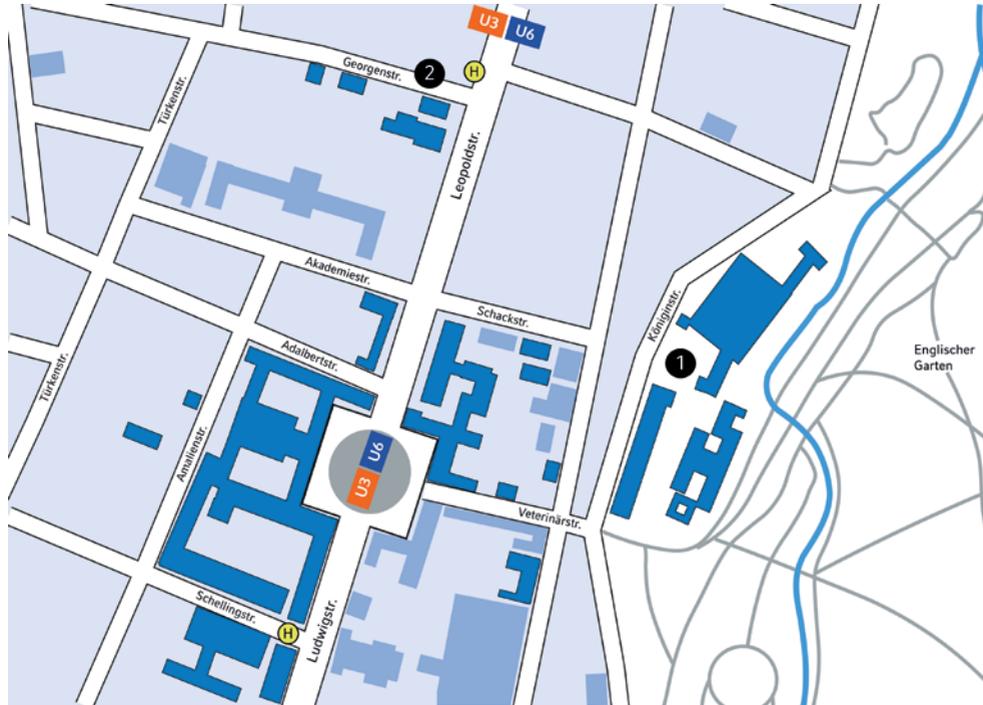


Munich - Short Overview

Munich was mentioned in a document for the first time after "Henry the Lion", Duke of Bavaria and Saxony, had built a bridge over the river Isar near a colony of monks. Munich was declared to be a city in the year 1175 and flourished thanks to salt trade. Therefore it soon became an important capital and royal residence. After centuries of long and changeful history, the city was bombed and damaged very severely during World War II – like many other German cities. But the rebuilding was successful and today Munich

is an important place for high-tech. Many companies in the service sector are located here e. g. media companies, insurances and banks as well as famous museums like the "Alte Pinakothek", the "Neue Pinakothek", the "Pinakothek der Moderne", and also the world famous "Deutsches Museum". A wellknown attraction in Munich is of course the annual "Oktoberfest", which attracts millions of visitors from all over the world. But not only during this festivity Munich is called "world capital with heart".

Site Plan



1 You can find the main grounds of the Faculty of Veterinary Medicine on Veterinärstraße 13, near the entrance of the English Garden (Englischer Garten):

Transport connection:

- ♦ Underground station Universität (U3 and U6)
- ♦ Bus station Universität (bus line 154)
- ♦ about an 8 minute walk

2 The Chair of Experimental Parasitology is located on Leopoldstraße 5 (corner Georgenstraße), 80802 München:

Transport connection:

- ♦ Underground station Giselastraße (U3 and U6)
- ♦ Bus station Georgenstraße (bus line 154)
- ♦ about a 3 minute walk

Site Plan



Lecture halls

- B Central Block
- C Anatomy
- J Gynaecology
- H Surgery
- E Internal
- N Pathology
- P Zoology

Institutions

- A Physiological Chemistry, Physiology
- B Deanery, AG Population Genomics
- C Anatomy
- D Library
- E Pharmacology
- F, G Clinic of Small Animal Internal Medicine (MKTK)
- H, I Clinic of Small Animal Surgery and Reproduction (CGTK)
- H, I Clinic for Horses
- K Radiotherapy
- L Student Body
- M Animal Welfare, Ethology
- N Pathology, Infectious Medicine
- O Gate
- P Palaeoanatomy, Fish Diseases, Computer Operations Group

Site Plan



Apart from the main grounds there is another campus in Oberschleißheim:

Veterinary Medicine Oberschleißheim (about 15 km to Munich city center)

Transport connection:

- ♦ S-Bahn: S1 München-Freising (station Oberschleißheim)
about a 15 minute walk or bus line 292 (direction Sonnenstraße)
- ♦ Underground: U6 to Garching/Hochbrück
Bus line 292 from Garching/Hochbrück (direction Sonnenstraße)

- A. Chair of Animal Nutrition and Dietetics Oberschleißheim,
Food Safety, Hygiene and Technology of Milk, Schönleutnerstr. 8
- B. Agricultural Teaching and Testing Institute, St.-Hubertus-Str. 12
- C. Clinic for Birds, Reptiles, Amphibians and Ornamental Fish, Sonnenstr. 18
- D. Lecture Hall and Cafeteria
- E. Klinik for Swine, Clinic for Ruminants, Sonnenstr. 16
- F. to H: planned buildings

Site Plan



Institutions of the Medical Faculty in the city center – University Hospital, campus city center

University Hospital of Munich – city center

1. **Practical laboratory** on Pettenkoferstr. 14, room F006.

Faculty of Veterinary Medicine of Ludwig-Maximilians-Universität München

International - ERASMUS+ at the Faculty of Veterinary Medicine



Exchange Coordinators at the Faculty of Veterinary Medicine

Outgoings

Prof. Dr. Walter A. Rambeck

Chair of Animal Nutrition and Dietetics,
Oberschleißheim
Tel.: 089 - 2180 – 78703
E-mail: rambeck@lmu.de

Dr. Stefan Nüske

Lehr- und Versuchsgut Oberschleißheim
(Agricultural Teaching and Testing Institute)
Tel.: 089 - 2180 – 76056
E-mail: stefan.nueske@lmu.de

Incomings

Vanessa Alf, Lucie Casalta

Office for Student Affairs
Veterinärstraße 13
Tel.: 089 - 2180 – 2503
E-mail: erasmus@dekanat.vetmed.uni-
muenchen.de

Addresses and Links of the LMU

Student Record Office

Referat II A 2, Hgb E011
www.lmu.de/studentenkanzlei

International Office

Ludwigstraße 27
80539 München
Tel.: 089 - 2180 - 2823
E-mail: international@lmu.de

Student Union

Leopoldstraße 15
80802 München
Tel.: 089 – 38196 - 0
<http://www.studentenwerk-muenchen.de>

ERASMUS+

The Erasmus+ program was initiated in 1987 by the EU in order to support student mobility in Europe.

Nowadays it is part of the big educational program "Lifelong Learning" of the EU which makes the support of study stays and internships possible.

At the LMU, Erasmus+ study stays are guided by the International Office in collaboration with each faculty's exchange coordinators.

Erasmus+ internships are coordinated by the division "Student und Arbeitsmarkt".

Support

An Erasmus+ grant includes tuition remission at the partner university, facilitated enrollment procedure (e.g. no need for an official language proficiency test), assistance by the foreign university in finding an apartment and in matters concerning public authorities. The grant furthermore includes a monthly subvention to the living costs. The amount of

the subvention depends on the destination. As of the academic year 2014/15, there are 3 groups of countries differing in the respective amount of monthly subvention (150, 200 or 250 €). After consultation with the faculty, the recognition of courses passed abroad is possible (see Learning Agreement).

Application Requirements

LMU Munich has cooperation agreements with numerous universities worldwide under the Erasmus+ and LMUexchange schemes. To be accepted as an exchange student your home university must have a cooperation agreement with LMU.

You will be nominated for a place at LMU by your home university. When the International Office of LMU receives your nomination, they will send you information about application procedures.

Requirements for studying at LMU:

- ♦ Nomination by home university
- ♦ Language requirements (Faculty of Veterinary Medicine: German, at least B2, Please notice: No courses are taught in English!)

More information concerning language requirements can be found here:

http://www.en.uni-muenchen.de/students/exchange/incomings/austausch_engl/application/language_requirements/index.html

Application and Deadlines

Documents required:

- ♦ A printed copy of the online application form, signed and stamped by the exchange coordinator at your home university
- ♦ A transcript of records, documenting your studies at your home university
- ♦ Learning Agreement
- ♦ Copy of passport (page with personal data only)
- ♦ Proof of German / English language skills (depending on the language of instruction of the courses you have chosen)

Application deadlines

You have been nominated by your home university and wish to study next semester at LMU:

- ♦ **June 15** for the winter semester
- ♦ **December 15** for the summer semester

To apply for student housing you should tick the appropriate box in the International Office's online application for exchange student admissions. Requests that come in after the deadline cannot be considered.

You will find everything you need to know for your stay in Munich in the "Handbook for International Exchange Students":

http://www.en.uni-muenchen.de/students/exchange/incomings/austausch_engl/downloads/lmu_wegweiser_e_2015-07_web.pdf

Enrollment at LMU

Enrollment for the winter semester takes place at the International Office in September / October and for the summer semester in March / April (you will find the exact dates in your notification of admission).

Documents required for enrollment:

- ♦ Notification of admission (Zulassungsbescheid)
- ♦ Proof of health insurance from a German state insurance provider (gesetzliche Krankenkasse)
- ♦ A valid passport or identity card

Please note:

- ♦ You are required to come to enrollment in person – this cannot be done by proxy.
- ♦ You can only enroll if your documents are complete.
- ♦ After enrollment you have to pay the fee of currently 111 € to get your student identity card.
- ♦ You will get further information at enrollment.

Learning Agreement

Submitting a learning agreement is mandatory for Erasmus+ students. In order to help us identify study objectives, we ask LMUexchange students also to fill in the Learning Agreement which is integrated in the application form.

Please ask your home university for the Learning Agreement form. In the case the form cannot be provided please download it here:

http://www.uni-muenchen.de/studium/studium_int/erasmus_lmexchange/bewerbung/learning_agreement/erasmus_learning_agreement_in.doc

https://www.uni-muenchen.de/studium/studium_int/erasmus_lmexchange/bewerbung/learning_agreement/lmuexchange_learning_agreement_in.docx

- ◆ Please state the courses you would like to attend while studying at LMU (as a guideline full-time LMU students would aim to achieve a semester workload of 30 ECTS credits)
- ◆ Your home university will advise you on the number of credit points you are expected to achieve.

- ◆ Your home and host university must sign the Learning Agreement (Erasmus+ students)
- ◆ If the course catalogue is not yet available at the time when the Learning Agreement is required by your home university, we advise you to choose courses from the course catalogue of the previous year or semester. Also read the information for Erasmus and LMUexchange students on the faculty websites.

Note:

You do not need to login to access this site (<https://sf.verwaltung.uni-muenchen.de/>) – just click on „Vorlesungsverzeichnis“ on the left of the page.

A set of English instructions for navigating the course catalogue can be found under Choosing Courses:

http://www.en.uni-muenchen.de/students/exchange/incomings/austausch_engl/studying/choosing_courses/index.html

The learning agreement can be changed at a later date. By submitting the learning agreement you are not automatically registered for courses.

Transcript of Records

The courses you took and the credits you gained during your study period at LMU will be recorded at the end of your stay in a transcript of records. The so-called “Notenspiegel” is the basis for this document. Please fill in all the courses that you have attended as well as all further data that you

know about. The Office for Student Affairs of the Faculty of Veterinary Medicine confirms the grades with a stamp and signature. When you have all your grades, you need to bring your “Notenspiegel” to the International Office, where a transcript of records will be issued.

About the grading system:

Your coursework will be graded in accordance with the German grading system (“1”–“5”, with “1” being the best and “5” the worst grade). If a course is graded with 4 or above then you have passed.

Not all courses are graded (non-graded lectures). If you need to have grades for the courses you take, in order to receive credit for the courses from your home university, speak to your lecturers early in the semester to see if it is possible to get numerical grades for the courses.

Cooperating Institutions

As part of the Erasmus+ program there are bilateral agreements with the Faculties of Veterinary Medicine in:

Belgium

- ◆ **Liège:** Université de Liège

France

- ◆ **Lyon:** VetAgro Sup
- ◆ **Toulouse:** École Nationale Vétérinaire de Toulouse (ENVT)
- ◆ **Nantes:** Oniris - École Nationale Vétérinaire, Agroalimentaire et de l’Alimentation de Nantes-Atlantique

Hungary

- ◆ **Gödöllő:** Szent István Egyetem

Poland

- ◆ **Warsaw:** Szkoła Główna Gospodarstwa Wiejskiego w Warszawie
- ◆ **Wrocław:** Uniwersytet Przyrodniczy we Wrocławiu

Switzerland

- ◆ **Bern:** Universität Bern
- ◆ **Zürich:** Universität Zürich

Italy

- ◆ **Bologna:** Università degli Studi di Bologna
- ◆ **Milan:** Università degli Studi di Milano

Austria

- ◆ **Vienna:** Veterinärmedizinische Universität Wien

Spain

- ◆ **Cáceres:** Universidad de Extremadura
- ◆ **León:** Universidad de León
- ◆ **Zaragoza:** Universidad de Zaragoza
- ◆ **Madrid:** Universidad Complutense de Madrid

Czech Republic

- ◆ **Brno:** Veterinární a Farmaceutická Univerzita v Brno

Cooperating Institutions

The Faculty of Veterinary Medicine of LMU of Munich moreover maintains relations with the following veterinary educational institutions:

École Nationale Vétérinaire de Toulouse
Partnership coordinator: Prof. Rambeck

Chung Hsing, University of Republic of China
Partnership coordinator: Prof. Braun

Veterinary Medicine University of Istanbul
Partnership coordinator: Prof. Erhard

Vet. Med. Fakultät Breslau
Partnership coordinator: Prof. Gerhards

Veterinary Faculty of University Obihiro
Partnership coordinator: Prof. Braun

Faculty of Veterinary Medicine, Hokkaido University, Sapporo, Japan
Partnership coordinator: Dr. Reese

Faculty of Veterinary Science, University of Sydney/Australia
Partnership coordinator: Prof. Müller

Tips and Information for ERASMUS+ Students in Munich

Academic Calendar

The semester dates can be found here:
http://www.en.uni-muenchen.de/students/exchange/incomings/austausch_engl/studying/academic_calendar/index.html

Accommodation facilities and costs

Please address yourself to the Studentenwerk
Leopoldstraße 15, 80802 München
Tel.: +49 (0) 89 - 38196-0
<http://www.studentenwerk-muenchen.de>

IMPORTANT!

Within a week of arriving in Germany, all students must register their new address in Germany at the relevant Einwohnermeldeamt (residents' registration office).

Similarly, the Einwohnermeldeamt must be informed of changes of address within a week. Please do not forget, shortly before the end of your stay in Germany, to inform the Einwohnermeldeamt that you plan to leave the country. You can do this in person or in writing. You can obtain the relevant forms for registering your new address, any change of address, or your departure from Germany at your local Einwohnermeldeamt.

The office requires the following documents for registration:

- ♦ a completed form for registering your address
- ♦ a valid passport (Non-EU-Citizens) or identity card (EU / EEA-Citizens / Switzerland)
- ♦ entry visa (if necessary)
- ♦ tenancy agreement

The following office is in charge of Munich:

Kreisverwaltungsreferat (KVR) - Einwohnermeldeamt
Ruppertstraße 19
80337 München
Ground floor

If you do not live in Munich, please go to your local administrative department (Gemeindeverwaltung).

Health insurance

In order to be registered as a student, you must have adequate health insurance. Depending on your country of origin there are different regulations.

Students from countries of the European Union (EU):

- ♦ You can obtain a European health insurance card (EHIC) from the relevant health authority in your home country
- ♦ After arrival in Germany present this card to a German state health insurance provider (e.g. TK, AOK, BEK, DAK etc.)
- ♦ The German state health insurance provider will issue documentation confirming that you have health insurance cover in your home country
- ♦ Please bring this document with you to enrollment at the International Office

German language

Foreign students should have good knowledge of German as all lectures are taught in German.

You can find information about German courses here:

http://www.en.uni-muenchen.de/students/exchange/incomings/austausch_engl/preparation/index.html

You can also find more tips on the website of the German Academic Exchange Service (Deutscher Akademischer Austauschdienst, DAAD): www.daad.de

Student life

Tips for International Student Life:

http://www.en.uni-muenchen.de/students/int_student_guide/student_life/index.html

www.uni-muenchen.de/studium/stud_leben/index.html (German)

Sport at the university (Zentraler Hochschulsport):

www.zhs-muenchen.de (German)

Up-to-date information can be found on the website of the International Office:

e.g.: http://www.en.uni-muenchen.de/students/exchange/incomings/austausch_engl/index.html

Re-enrolling for the second semester

As you are only enrolled for one semester at a time, it is very important that you re-enroll for the second semester, if you are planning to stay for a year.

The deadline for payment will be in your student papers. You will also find a paying-in slip/giro transfer form for 111 € among your student papers. After this transaction is carried out by your bank you will be automatically re-enrolled for the second semester.

Your new student documents will be sent to you in March or September, respectively.

If you do not re-enroll, you will be automatically ex-matriculated for the next semester!

Studies of Veterinary Medicine



Course of Study

The veterinary program at the Faculty of Veterinary Medicine of the Ludwig-Maximilians-Universität München is regulated by the Ordinance concerning the Certification of Veterinary Surgeons (Verordnung zur Approbation von Tierärztinnen und Tierärzten (TAppV)), issued July 26, 2006.

Veterinary training comprises:

1. an academic-theoretical component of studies in Veterinary Medicine with 3850 hours of compulsory and optional courses;

2. a practical component of studies lasting for 1170 hours, with:

- ♦ a) 70 hours on Agriculture, Animal Breeding, and Animal Husbandry,
- ♦ b) 150 hours in the therapeutic practice of a veterinary surgeon or in an animal hospital under veterinary supervision
- ♦ c) 75 hours in hygiene control and control of foodstuffs
- ♦ d) 100 hours in the inspection of animals

for slaughter and meat

- ♦ e) 75 hours in public veterinary service
- ♦ f) 700 hours in the therapeutic practice of a veterinary surgeon or in an animal hospital under veterinary supervision or elective placement;

3. the following examinations:

- ♦ a) the Preliminary Veterinary Examination
- ♦ b) the Veterinary Examination

The standard period of study is five years and six months for the entire training.

Further information and a detailed overview of the courses can be found in the annex of the Examination and Study Regulations of the LMU Munich for the Course of Studies for Veterinary Medicine (Prüfungs- und Studienordnung der Ludwig-Maximilians-Universität München für den Studiengang Tiermedizin), consolidated version 29th September 2017.

Types of Courses

Various kinds of courses are offered at our faculty. They are distinguished as follows:

1) Vorlesungen (= lectures):

Scientific fundamentals are taught. Normally, the group size is non-limited.

2) Seminar:

A smaller number of participants facilitates interaction between instructor and students. Under the instructor's supervision, students work independently or in groups.

3) Übungen (= practice):

Priorly acquired theoretical skills shall be put into practice and deepened by working on and solving problems.

4) Klinische Übungen (= clinical training):

Diagnostic methods i.a. are practised on the animal.

5) Angeleitetes Selbststudium (= guided self-study): Students learn with given teaching materials independently.

Grading

During the studies, depending on the subject, various examinations have to be taken in order to verify successful participation in the corresponding courses. For that the following grading system is used for evaluation (according to the Ordinance concerning the Certification of Veterinary Surgeons, TAppV § 14):

German grade	Translation	Grade	Description
Sehr gut	very good	1	an outstanding achievement
Gut	good	2	an achievement that is considerably above the average requirements
Befriedigend	satisfactory	3	an achievement that satisfies the average requirements in every respect
Ausreichend	adequate	4	an achievement that still meets the requirements in spite of its shortcomings
Nicht ausreichend	inadequate	5	an achievement that no longer meets the requirements due to considerable shortcomings

Subject Areas and Total Number of Hours*

1.	Physics, incl. fundamentals of Radiophysics	56 h	9.	Agricultural Theory	28 h
2.	Chemistry	126 h	10.	Animal Husbandry and Animal Hygiene	56 h
3.	Zoology	70 h	11.	General Radiology and Clinical Radiology	42 h
4.	Botany, incl. Nutritional Science, Toxicology and Herbalism	70 h	12.	Physiology, Biochemistry	280 h
5.	Biometry	28 h	13.	Animal Breeding and Genetics, incl. Breeding Theory and Livestock Judging	84 h
6.	Theory of the Profession (Medical Terminology, History of Veterinary Medicine, Professional Science)	42 h	14.	Clinical Propaedeutics	98 h
7.	Anatomy	224 h	15.	Animal Welfare and Ethology	84 h
8.	Histology and Embryology	98 h	16.	Laboratory Animal Science	14 h
			17.	Animal Nutrition and Nutritional Science	98 h

18.	Forensic Veterinary Medicine, Veterinary Professional Law	28 h	28.	Exercises in Agriculture, Animal Breeding and Animal Husbandry	70 h
19.	Poultry Diseases	28 h	29.	Practical Training in a Veterinary Practice or a Veterinary Hospital	850 h
20.	Pharmacology and Toxicology, incl. Clinical Pharmacology, Drug and Anaesthesia Law, Prescription and Drug Preparation Theory, Assessing Risks	126 h	30.	Practical Training in Hygiene Control and Control of Foodstuffs and in the Inspection of Animals for Slaughter and Meat	175 h
21.	Bacteriology, Mycology, Virology, Parasitology, Immunology, Control of Animal Epidemics, Epidemiology	266 h	31.	Practical Training in the Public Veterinary Service	75 h
22.	Diseases in Reptiles, Amphibians, Fish and Honey Bees	28 h	32.	Optional Courses that the student must also attend	308 h
23.	General Pathology, Special Pathological Anatomy and Histology including autopsies	182 h		Total	5020 h
24.	Internal Medicine incl. Laboratory Diagnostics, Dietetics, Reproductive Medicine incl. Obstetric and Udder Diseases, Surgery and Anaesthesiology, Ophthalmic Diseases, Dentistry, Hoof and Claw Diseases, Livestock Management and Ambulatory Care	420 h			
25.	Food Science, incl. Food Hygiene, Technology and Quality Assurance, Food Toxicology, Residue Evaluation, Food Law and Inspection of Foods; Milk Science incl. Technology and Quality Assurance, Microbiology of Milk and Milk Inspections; Meat and Poultry Hygiene including Technology and Quality Assurance	252 h			
26.	Clinical Training in subjects no. 18, 22 and 24	518 h			
27.	Interdisciplinary subject	196 h			

*) The names of the courses and any merging of various subject areas into combined courses shall not be affected by this Annex.

Courses of the 1st Semester

Course	Type of Training	SWS*	Credits
Anatomy I	Didactic Lecture	2	2,0
Dissection Exercises I	Non-clinical Animal Work	2	2,0
Botany	Didactic Lecture	4	4,0
Chemistry I	Didactic Lecture	3	3,0
Chemistry Lab I	Laboratory and Desk Based Work	1	1,0
Ethology I	Didactic Lecture	1	1,0
Histology I	Didactic Lecture	2	2,0
Physics	Didactic Lecture	4	4,0
Medical Terminology	Didactic Lecture	2	2,0
Animal Husbandry I	Didactic Lecture	1	1,0
Animal Welfare I	Didactic Lecture	1	1,0
Zoology	Didactic Lecture	5	5,0
Total		28	28,0

Winter semester = mid October - mid April

* SWS = hours per week per semester (1 SWS equates to 14 times 45 minutes)

Courses of the 2nd Semester

Course	Type of Training	SWS*	Credits
Agricultural Sciences	Didactic Lecture	2	2,0
Anatomy II	Didactic Lecture	2	2,0
Dissection Exercises II	Non-clinical Animal Work	2	3,0
Chemistry II	Didactic Lecture	3	3,0
Chemistry Lab II	Laboratory and Desk Based Work	1	1,0
Embryology I	Didactic Lecture	1	1,0
Ethology II	Didactic Lecture	1	1,0
Genetics I	Didactic Lecture	2	2,0
History of Veterinary Medicine	Didactic Lecture	1	1,0
Laboratory Animal Science	Didactic Lecture	1	1,0
Physiology I	Didactic Lecture	2	2,0
Propaedeutics I	Didactic Lecture	3	3,0
Radiology I	Didactic Lecture	1	1,0
Animal Husbandry II	Didactic Lecture	1	1,0
Animal Welfare II	Didactic Lecture	1	1,0
Animal Breeding I	Didactic Lecture	2	2,0
Total		26	27,0

Summer semester = mid April - mid October

Courses of the 3rd Semester

Course	Type of Training	SWS*	Credits
Anatomy III	Didactic Lecture	3	3,0
Dissection Exercises III	Non-clinical Animal Work	3	4,0
Embryologie II	Didactic Lecture	1	1,0
Physiology II	Didactic Lecture	2	2,0
Physiology Lab I	Laboratory and Desk Based Work	2,5	3,5
Biochemistry I	Didactic Lecture	2	2,0
Biochemistry Lab I	Laboratory and Desk Based Work	2,5	4,0
Radiology II	Didactic Lecture	1	1,0
Animal Welfare III	Didactic Lecture	1	1,0
Animal Breeding II	Didactic lecture	1	1,0
Animal Breeding Practice	Non-clinical Animal Work	1	1,0
Total		20	23,5

Courses of the 4th Semester

Course	Type of Training	SWS*	Credits
Anatomy IV	Didactic Lecture	1	1,0
Dissection Exercises IV	Non-clinical Animal Work	1	2,0
Histology II	Didactic Lecture	1	1,0
Histology Lab II	Laboratory and Desk Based Work	2	2,0
Physiology III and Pathophysiology	Didactic Lecture	3	3,0
Physiology Lab II	Laboratory and Desk Based Work	2,5	3,5
Biochemistry II	Didactic Lecture	2	2,0
Biochemistry Lab II	Laboratory and Desk Based Work	2,5	4,0
Clinical Propaedeutics II	Clinical Work	3	3,0
Total		18	21,5

Courses of the 5th Semester

Course	Type of Training	SWS*	Credits
Biometrics	Didactic Lecture	2	2,0
Food Science I and Animal Nutrition I	Didactic Lecture	2	2,0
Animal Nutrition II	Laboratory and Desk based Work	2	2,0
Organ Modules	Didactic Lecture	4	4,0
Reptile and Fish Diseases	Didactic Lecture	2	2,0
Parasitology I	Didactic Lecture	3	3,0
General Pathology I	Seminar	2	2,0
Pharmacology and Toxicology I	Didactic Lecture	4	4,0
Reproduction and Herdmanagement I	Didactic Lecture	4	4,0
Total		25	25,0

Courses of the 6th Semester

Course	Type of Training	SWS*	Credits
General Bacteriology	Didactic Lecture	2	2,0
General Virology	Didactic Lecture	2	2,0
Fundamentals of Food and Meat Hygiene	Didactic Lecture	2	2,0
Immunology	Didactic Lecture	1	1,0
Milk Science Seminar I	Didactic Lecture	1	1,0
Organ Modules	Didactic Lecture	6	14,0
Parasitology II	Didactic Lecture	1	1,0
Parasitology III	Laboratory and Desk Based Work	1	1,0
General Pathology II	Seminar	2	2,0
Pharmacology and Toxicology II	Didactic Lecture	3	3,0
Reproduction and Herdmanagement II	Didactic Lecture	4	4,0
Animal Nutrition II	Didactic Lecture	1	1,0
Animal Nutrition III	Laboratory and Desk Based Work	2	2,0
Total		28	36,0

Courses of the 7th Semester

Course	Type of Training	SWS*	Credits
General Meat Hygiene	Didactic Lecture	2	2,0
General Food Hygiene	Didactic Lecture	2	2,0
Virology / Bacteriology Lab	Laboratory and Desk Based Work	2	2,0
Epidemiology	Didactic Lecture	1	1,0
Milk Science Seminar II	Laboratory and Desk Based Work	2	2,0
Organ Modules	Didactic Lecture	12	12,0
Reproduction and Herdmanagement III	Didactic Lecture	3	3,0
Special Bacteriology	Didactic Lecture	2	2,0
Special Virology	Didactic Lecture	2	2,0
Animal Hygiene	Didactic Lecture	2	2,0
Animal Welfare IV	Seminar, Group 1	1	1,0
Total		31	31,0

Courses of the 8th Semester

Course	Type of Training	SWS*	Credits
Prescription and Production of Pharmaceuticals (AVO)	Didactic Lecture	1	1,0
Poultry Diseases	Didactic Lecture	2	2,0
Forensic Veterinary Medicine and Veterinary Professional Regulations	Didactic Lecture	2	2,0
Clinical case demonstrations	Didactic Lecture	14	14,0
Pathology III (Special Pathology I)	Didactic Lecture	3	3,0
Special Meat Hygiene	Didactic Lecture	2	2,0
Special Food Hygiene	Didactic Lecture	2	2,0
Animal Epidemic Control	Didactic Lecture	3	3,0
Animal Welfare IV	Seminar, Group 2	1	1,0
Total		30	30,0

Timetable 1st Semester

Time	Monday	Tuesday
8:15	Chemistry I (lecture)	Chemistry I (lecture)
9:15	Zoology I (lecture)	Ethology I
10:15	Zoology I (lecture)	Anatomy I * (lecture / dissection exercise)
11:15	Physics (lecture)	Anatomy I * (lecture / dissection exercise)
12:15	Physics (lecture)	Histology I
13:15		
14:15	Anatomy I * (lecture / dissection exercise)	
15:15	Anatomy I * (lecture / dissection exercise)	Botany (lecture)
16:15		Botany (lecture)
17:15		

April 2019. Please note the current timetables on our website:
<https://www.vetmed.uni-muenchen.de/studium/stundenplan/index.html>

Wednesday	Thursday	Friday
Animal Welfare I (lecture)	Medical Terminology (lecture) 8:15 - 10:00	
Animal Husbandry I (lecture)		Chemistry Lab I Group A ** 9:15 - 11:00
Chemistry I (lecture)	Histology Course Group A **	
Physics (lecture)		Chemistry Lab I Group B ** 11:15 - 13:00
Physics (lecture)	Histology Course Group B **	
	Histology Course Group C **	Chemistry Lab I Group C ** 13:15 - 15:00
Zoology I (lecture)		
Zoology I (lecture)	Zoology I (lecture)	Chemistry Lab I Group D ** 15:15 - 17:00
	Botany (lecture)	
	Botany (lecture)	

* Anatomy courses also include dissection courses. For that, the semester is divided in 2 groups. One group goes to the lecture, at the same time the other one is in the dissection lab, attending dissection exercises. The next time it is the other way round.

** Students will automatically be assigned to the courses „Chemistry Lab“ and „Histology“ by the faculty.

Timetable 2nd Semester

Time	Monday	Tuesday
8:15		
9:15		Chemistry Lab II Group A
10:15		9:15 - 11:00
11:15		Chemistry Lab II Group B
12:15		11:15 - 13:00 Uhr
13:15	Animal Husbandry II (lecture)	Chemistry Lab II Group C
14:15	Anatomy II * (lecture / dissection exercise)	13:15 - 15:00
15:15	Anatomy II * (lecture / dissection exercise)	Chemistry Lab II Group D
16:15	Animal Breeding I (lecture)	15:15 - 17:00
17:15	Animal Breeding I (lecture)	

April 2019. Please note the current timetables on our website:
<https://www.vetmed.uni-muenchen.de/studium/stundenplan/index.html>

Wednesday	Thursday	Friday
Genetics (lecture)	Genetics (lecture)	Radiology I (lecture)
Chemistry II (lecture)	Chemistry II (lecture)	Chemistry II (lecture)
Clinical Propaedeutics I (lecture)	Laboratory Animal Sciences (lecture)	Animal Welfare II (lecture)
Clinical Propaedeutics I (lecture)	Anatomy II * (lecture / dissection exercise)	Ethology II (lecture)
Clinical Propaedeutics I (lecture)	Anatomy II * (lecture / dissection exercise)	Embryology I (lecture)
Physiology I (lecture)	History of Veterinary Medicine (lecture) **	Veterinary Terminology for Repeaters (lecture) ***
Physiology I (lecture)	History of Veterinary Medicine (lecture) **	Veterinary Terminology for Repeaters (lecture) ***
Agricultural Sciences (lecture)		
Agricultural Sciences (lecture)		

* Anatomy courses also include dissection courses. For that, the semester is divided in 2 groups. One group goes to the lecture, at the same time the other one is in the dissection lab, attending dissection exercises. The next time it is the other way round.

** History of Veterinary Medicine takes place in the first half of the semester only.

*** This course targets those students who have not yet successfully passed the exam in Terminology in the first semester.

Timetable 3rd Semester

Time	Monday	Tuesday
8:15	Animal Welfare III (lecture)	Physiology and Biochemistry Lab I Group B (8:00 - ca. 12:00)
9:15	Biochemistry I (lecture)	
10:15	Anatomy III * (lecture / dissection exercise)	
11:15	Anatomy III * (lecture / dissection exercise)	
12:15		
13:15	Physiology and Biochemistry Lab I Group A (13:00 - ca. 17:00)	Embryology II (lecture)
14:15		Anatomy III * (lecture / dissection exercise)
15:15		Anatomy III * (lecture / dissection exercise)
16:15		Animal Breeding II (lecture)

April 2019. Please note the current timetables on our website:
<https://www.vetmed.uni-muenchen.de/studium/stundenplan/index.html>

Wednesday	Thursday	Friday
Biochemistry I (lecture)	Physiology Practice I *** / Physiology II (8:00 - ca. 12:00) Group A, B, C or D	
Radiology II (lecture)		
Anatomy III * (lecture / dissection exercise)		
Anatomy III * (lecture / dissection exercise)		
Physiology and Biochemistry Lab I Group C (13:00 - ca. 17:00)	Animal Breeding Practice ** / Physiology Practice I*** (13:00 - 17:00) Group A, B, C or D	

* Anatomy courses also include dissection courses. For that, the semester is divided in 2 groups. One group goes to the lecture, at the same time the other one is in the dissection lab, attending dissection exercises. The next time it is the other way round.

** Animal Breeding Practical takes place on four given dates during the semester, between 14:00 and 17:00. The Chair of Animal Breeding and General Agricultural Sciences is in charge of the organisation and the group classification.

*** Date and time for the groups are switching with every course. Schedules can be found on Moodle.

Timetable 4th Semester

Time	Monday	Tuesday
8:15	Physiology Practice II **/ Physiology II 8:00 - ca. 12:00 Group A, B, C or D	Biochemistry II (lecture)
9:15		Biochemistry II (lecture)
10:15		Anatomy IV* Group B/ Histology Course Group A (10:15 - 12:00)
11:15		
12:15		
13:15	Physiology Practice II ** 13:00 - ca. 17:00 Group A, B, C or D	Anatomy IV* Group A/ Histology Course Group B (13:15 - 15:00)
14:15		
15:15		Histology Course Group C (15:15 - 17:00)
16:15		

April 2019. Please note the current timetables on our website:
<https://www.vetmed.uni-muenchen.de/studium/stundenplan/index.html>

Wednesday	Thursday	Friday
	Physiology and Biochemistry Lab II Group B (8:00 - ca. 12:00)	
Histology II (lecture)		
Physiology II (lecture)		Clinical Propaedeutics Practice I OSH (11:00 - 13:15)
Physiology and Biochemistry Lab II Group A (13:00 - ca. 17:00)	Physiology and Biochemistry Lab II Group C (13:00 - ca. 17:00)	Clinical Propaedeutics Practice I Campus City Center (14:30 - 16:15 Uhr)

* Anatomy courses also include dissection courses. For that, the semester is divided in 2 groups. One group goes to the lecture, at the same time the other one is in the dissection lab, attending dissection exercises. The next time it is the other way round.

** Date and time for the groups are switching with every course. Schedules can be found on Moodle.

Timetable 5th Semester

Time	Monday	Tuesday
8:15	Pathology I (General Pathology I) (seminar)	Organ Module Internal Medicine / Surgery
9:15	Pathology I (General Pathology I) (seminar)	Organ Module Internal Medicine / Surgery
10:15	Parasitology I (lecture)	Pharmacology and Toxicology I (lecture)
11:15		Pharmacology and Toxicology I (lecture)
12:15	Biometry (lecture)	
13:15	Biometry (lecture)	Parasitology I (lecture)
14:15		Parasitology I (lecture)
15:15		

April 2019. Please note the current timetables on our website:
<https://www.vetmed.uni-muenchen.de/studium/stundenplan/index.html>

Wednesday	Thursday, OSH	Friday, OSH
Pharmacology and Toxicology I (lecture)	Food Science and Animal Nutrition I (lecture)	Food Science II (practice) Group A 8:15 - 9:45
Pharmacology and Toxicology I (lecture)	Food Science and Animal Nutrition I (lecture)	Food Science II (practice) Group B 10:15 - 11:45
Organ Module Internal Medicine / Surgery	Reptile and Fish Diseases * (lecture)	Food Science II (practice) Group C 12:15 - 13:45
Organ Module Internal Medicine / Surgery	Reptile and Fish Diseases * (lecture)	Food Science II (practice) Group D 14:15 - 15:45
Reproduction and Herdmanagement I (lecture)	Reproduction and Herdmanagement I (lecture)	
Reproduction and Herdmanagement I (lecture)	Reproduction and Herdmanagement I (lecture)	

OSH = all courses take place at the campus in Oberschleißheim.

* Double periods, switch after half a semester

Timetable 6th Semester

Time	Monday	Tuesday
8:15	Reproduction and Herdmanagement II (lecture)	Organ Module Internal Medicine / Surgery
9:15	Reproduction and Herdmanagement II (lecture)	Organ Module Internal Medicine / Surgery
10:15	Pathology II (General Pathology II) (seminar)	Pharmacology and Toxicology II (lecture)
11:15	Parasitology III (lecture)	Pharmacology and Toxicology II (lecture)
12:15		
13:15	Organ Module Internal Medicine / Surgery	Parasitology III, Group A/B (practice)
14:15	Organ Module Internal Medicine / Surgery	Parasitology III, Group A/B (practice)
15:15	Organ Module Internal Medicine / Surgery	Parasitology III, Group C/D (practice)
16:15	Organ Module Internal Medicine / Surgery	Parasitology III, Group C/D (practice)

April 2019. Please note the current timetables on our website:
<https://www.vetmed.uni-muenchen.de/studium/stundenplan/index.html>

Wednesday	Thursday, OSH	Friday, OSH
General Bacteriology (lecture)		Animal Nutrition III (practice) Group A 8:15 - 9:45
General Bacteriology (lecture)		
Immunology (lecture)	Reproduction and Herdmanagement II (lecture)	Animal Nutrition III (practice) Group B 10:15 - 11:45
Pharmacology and Toxicology II (lecture)	Reproduction and Herdmanagement II (lecture)	
		Animal Nutrition III (practice) Group C 12:15 - 13:45
General Virology (lecture)	Fundamentals of Food and Meat Hygiene (lecture)	
General Virology (lecture)	Fundamentals of Food and Meat Hygiene (lecture)	Animal Nutrition III (practice) Group D 14:15 - 15:45
Pathology II (General Pathology II) (seminar)	Milk Science Seminar I (lecture)	
	Animal Nutrition II	

OSH = all courses take place at the campus in Oberschleißheim.

Timetable 7th Semester

Time	Monday, OSH	Tuesday, OSH
8:15	General Meat Hygiene (lecture)	Reproduction and Herdmanagement III (lecture)
9:15	General Meat Hygiene (lecture)	Reproduction and Herdmanagement III (lecture)
10:15	General Food Hygiene (lecture)	Milk Science Seminar II Group A (practice)
11:15	General Food Hygiene (lecture)	Milk Science Seminar II Group A (practice)
12:15		Milk Science Seminar II Group B (practice)
13:15	Organ Module Internal Medicine / Surgery	Milk Science Seminar II Group B (practice)
14:15	Organ Module Internal Medicine / Surgery	Milk Science Seminar II Group C (practice)
15:15	Organ Module Internal Medicine / Surgery	Milk Science Seminar II Group C (practice)
16:15	Organ Module Internal Medicine / Surgery	Milk Science Seminar II Group D (practice)
17:15		Milk Science Seminar II Group D (practice)
18:15		

April 2019. Please note the current timetables on our website:
<https://www.vetmed.uni-muenchen.de/studium/stundenplan/index.html>

Wednesday	Thursday	Friday
Organ Module Internal Medicine / Surgery	Animal Hygiene (lecture)	Virology / Bacteriology Lab, Group C
Organ Module Internal Medicine / Surgery	Animal Hygiene (lecture)	Virology / Bacteriology Lab, Group C
Animal Welfare IV Group A/B (lecture / seminar)	Special Bacteriology / Virology (lecture)	Virology / Bacteriology Lab, Group D
Animal Welfare IV Group A/B (lecture / seminar)	Special Bacteriology / Virology (lecture)	Virology / Bacteriology Lab, Group D
Organ Module Internal Medicine / Surgery / Radiology	Special Bacteriology / Virology (lecture)	Epidemiology (lecture)
Organ Module Internal Medicine / Surgery	Special Bacteriology / Virology (lecture)	Organ Module Internal Medicine / Surgery
Organ Module Internal Medicine / Surgery	Virology / Bacteriology Lab, Group A	Organ Module Internal Medicine / Surgery
Organ Module Internal Medicine / Surgery	Virology / Bacteriology Lab, Group A	Organ Module Internal Medicine / Surgery
	Virology / Bacteriology Lab, Group B	
	Virology / Bacteriology Lab, Group B	

OSH = all courses take place at the campus in Oberschleißheim.

Timetable 8th Semester

Time	Monday, OSH	Tuesday
8:15	Special Meat Hygiene (lecture)	Clinical case demonstrations
9:15	Special Meat Hygiene (lecture)	Clinical case demonstrations
10:15	Special Food Hygiene (lecture)	Clinical case demonstrations
11:15	Special Food Hygiene (lecture)	Clinical case demonstrations
12:15		
13:15	Clinical case demonstrations	Animal Epidemic Control (lecture)
14:15	Clinical case demonstrations	Animal Epidemic Control (lecture)
15:15	Clinical case demonstrations	Pathology III (Special Pathology I) (lecture)
16:15	Clinical case demonstrations	Pathology III (Special Pathology I) (lecture)

April 2019. Please note the current timetables on our website:
<https://www.vetmed.uni-muenchen.de/studium/stundenplan/index.html>

Wednesday	Thursday	Friday, OSH
Clinical case demonstrations		Clinical case demonstrations
Clinical case demonstrations	Clinical case demonstrations	Clinical case demonstrations
AVO (prescription and production of pharmaceuticals)	Clinical case demonstrations	Poultry Diseases (lecture)
Pathology III (Special Pathology I) (lecture)	Animal Epidemic Control (lecture)	Poultry Diseases (lecture)
Animal Welfare IV Group C/D (lecture / seminar)	Forensic Veterinary Medicine and Veterinary Professional Regulations (lecture)	
Animal Welfare IV Group C/D (lecture / seminar)	Forensic Veterinary Medicine and Veterinary Professional Regulations (lecture)	

OSH = all courses take place at the campus in Oberschleißheim.

9th & 10th Semester - Practical Year

In the 9th and 10th semester the students are divided in 2 groups:

In the 9th semester group A students are in the respective priority clinic and do the Pathology / Food Hygiene / Prescription and Production of Pharmaceuticals courses. Group B does the extramural training (according to § 57(2) TAppV, minimum 600 hours during at least 16 weeks).

In the 10th semester group B students are in the respective priority clinic and do the Pathology / Food Hygiene / Prescription and Production of Pharmaceuticals courses. Group A does the extramural training (according to § 57(2) TAppV, minimum 600 hours during at least 16 weeks).

Clinic:

- ◆ Clinic of Small Animal Internal Medicine (MKTk)
- ◆ Clinic of Small Animal Surgery and Reproduction (CGTK)
- ◆ Clinic for Ruminants with Outpatient Department and Herd Management
- ◆ Clinic for Horses
- ◆ Clinic for Swine
- ◆ Clinic for Birds, Reptiles, Amphibians and Ornamental Fish

Mixed block:

Pathology, Prescription and Production of Pharmaceuticals seminar (AVO), Food Hygiene and Meat Inspection Practice (lectures)

In every clinical, the students shall be integrated into the daily clinical practice. This implies i.a. activities during the morning round, consultation-hour (anamnesis, clinical and subsequent examination), care and medical treatment of outpatients and inpatients as well as case conferences. Students shall thus be employed under supervision in all clinical activities and partly on their own in order to deepen their theoretical knowledge and to learn practical skills. In several clinics there are furthermore own assigned inpatients that are to be taken care of together with night- and weekend service that is to be done.

11th Semester

The 11th semester is designed for examinations.

9th & 10th Semester - Mixed Block Timetable

Time	Monday	Tuesday
8:00	Exerciscs in Autopsy and Recording AVO Practice	
9:00	Exerciscs in Autopsy and Recording AVO Practice	
10:00	Patho-Histo-Course	
11:00	Patho-Histo-Course	(Meat Inspection)*
12:00		Meat Inspection
13:00	Pathology IV	Meat Inspection
14:00	Pathology IV	Meat Inspection
15:00	Demo-Rallye from 14:45	Meat Inspection (until 15:30)

* 1 date starts at 11:00 (to be announced), all other dates start at 12:15

April 2019. Please note the current timetables on our website:
<https://www.vetmed.uni-muenchen.de/studium/stundenplan/index.html>

Wednesday	Thursday	Friday
	Exerciscs in Autopsy and Recording AVO Practice	Exerciscs in Autopsy and Recording AVO Practice
Food Hygiene Practice (from 9:00)	Exerciscs in Autopsy and Recording AVO Practice	Exerciscs in Autopsy and Recording AVO Practice
Food Hygiene Practice	Patho-Histo-Course	Pathology IV
Food Hygiene Practice	Patho-Histo-Course	Pathology IV
Food Hygiene Practice		
Food Hygiene Practice	Pathology IV	
	Pathology IV	
	Demo-Rallye from 14:45	

Details about the subjects:

AVO = prescription and production of pharmaceuticals

Pathologie IV: Infection Pathology

- ◆ Pathological Histology
- ◆ Exerciscs in autopsy and recording
- ◆ Pathological-anatomical demonstrations (= Demo-Rallye)

Mandatory Internships

During the studies certain mandatory internships shall be completed according to provisions of the Ordinance concerning the Certification of Veterinary Surgeons. Here the students are personally responsible for the selection of all the internship positions except for the internship in agriculture (organised by the Chair).

The students are required to evaluate each internship (partly in accordance with the new examination regulations as of September 28th, 2011). For this purpose, evaluation forms will be provided, either online or they will be handed out directly.

Internship	Duration (TAppV)	Point in time
Internship in agriculture	70 hours	from the 1st semester on
Curative practice	150 hours	after the Preliminary Veterinary Examination (Physics)
Hygiene control / food control	75 hours	after the 7th semester
Inspection of animals for slaughter and meat	100 hours	after the 8th semester
Public veterinary service	75 hours	after the 6th semester
Curative practice	700 hours	after the 8th semester

Compulsory Optional Subjects (Wahlpflichtfächer)

During the whole studies (semester 1-9), 22 compulsory optional subjects shall be completed, additional 22 credit points shall be awarded for these. These 22 compulsory optional subjects are composed as follows:

stage of studies	Description	number of compulsory optional subjects (in semester periods per week)
Preliminary Veterinary Examination (Physics)	P	6 (at least)
Veterinary Examination	T	9 (at least)
additional compulsory optional subjects, in the course of the studies	P or T	7
total number	P or T	22

Imprint

Publisher:
Ludwig-Maximilians-Universität München
Faculty of Veterinary Medicine
Veterinärstr. 13
80539 München
Tel.: +49 (0)89 / 2180 -2503
Fax: +49 (0)89 / 2180 -16578
www.vetmed.uni-muenchen.de

Direction: Prof. Dr. Thomas Göbel
Editor: Valerie Broich

Layout: Valerie Broich

Second edition
As of summer semester 2019

