

Freie Universität Berlin Veterinary Medicine ECTS Brochure 2024/2025



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2 The School of Veterinary Medicine introduces itself

Welcome to the School of Veterinary Medicine at Freie Universität Berlin. In this brochure you will find the prototypical course of study with the compulsory courses of the Veterinary Medicine degree programme as well as an ECTS classification of these courses.

2.1 Important addresses at the School of Veterinary Medicine

Coordinator for International Relations, Partnerships (Erasmus, Sokrates) and Visiting Students

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Study Office

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Dean

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Vice Dean for Study Affairs

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Chair of the Preclinical Examining Board

Univ.-Prof. Dr. Mahtab BahramsoltaniKoserstr. 20 14195 Berlin Tel: +49 30 838 59986 mahtab.bahramsoltani@fu-berlin.de

Chair of the Clinical Examining Board

Prof. Dr. Diana Meemken Königsweg 65, Building 21/22 14163 Berlin Phone: +49 30 838 63847 diana.meemken@fu-berlin.de

Head of Administration

Dr. Anna Kosmol Karsten Schomaker Oertzenweg 19b – Building 4 14163 Berlin Tel.: +49 30 838-62646 a.kosmol@fu-berlin.de





2.2 Clinics and Institutions

Further information about the department and an introduction to the scientific institutions as well as their contact persons can be found on our website at the following URL: http://www.vetmed.fu-berlin.de

2.2.1 Veterinary Hospital Freie Universität Berlin

Equine Clinic (WE17)



Oertzenweg 19b 14163 Berlin-Duppel

Phone: +49 (o)30 838-62300

pferdeklinik@vetmed.fu-berlin.de

Farm Animal Clinic - Division for Poultry (WE18)



Königsweg 63 14163 Berlin-Duppel

Phone: +49 (o)30 838-62310

gefluegelkrankheiten@vetmed.fu-berlin.de

Farm Animal Clinic - Divison for Ruminants and Camelids (WE18)





Königsweg 65 14163 Berlin-Duppel

Phone: +49 (o)30 838-62261

klauentierklinik@vetmed.fuberlin.de

Centre for Veterinary Clinical Services (WE19)



Oertzenweg 19b 14163 Berlin -Duppel

Phone: +49 (o)30 838-62618

kleintierklinik@vetmed.fu-berlin.de

Small Animal Clinic (WE20)



Oertzenweg 19b 14163 Berlin-Duppel

Phone: +49 (o)30 838-62356

kleintierklinik@vetmed.fu-berlin.de



2.2.2 Institutes

Institute of Veterinary Anatomy (WEo1)



Koserstraße 20 14195 Berlin-Dahlem

Tel.: +49 (o)30 838 - 53555

anatomie@vetmed.fu-berlin.de

Institute of Veterinary Physiology (WEo2)



Oertzenweg 19b 14163 Berlin-Duppel

Tel.: +49 (0)30 838-62600

physiologie@vetmed.fu-berlin.de

Institute of Veterinary Biochemistry (WEo₃)



Oertzenweg 19b 14163 Berlin-Duppel

Tel.: +49 (o)30 838-62225

biochemie@vetmed.fu-berlin.de

Institute of Animal Nutrition (WEo₄)



Königin-Luise-Str. 49 14195 Berlin-Dahlem

Phone: +49 (o)30 838-52256

tierernaehrung@vetmed.fu-berlin.de

Institute of Virology (WEo5)



R.-v.-Ostertag-Str. 7-13 14163 Berlin-Duppel

Phone: +49 (o)30 838-51833

virologie@vetmed.fu-berlin.de



Institute of Immunology (WEo6)



R.-v.-Ostertag-Str. 7-13 14163 Berlin-Duppel

Phone: +49 (o)30 838-51824

imb@vetmed.fu-berlin.de

Institute of Microbiology and Epizootics (WEo7)



R.-v.-Ostertag-Str. 7-13 14163 Berlin-Düppel

Tel.: +49 (0)30 838-51840

imt@zedat.fu-berlin.de

Institute of Food Safety and Food Hygiene (WEo8)



Königsweg 69 14163 Berlin-Duppel

Phone: +49 (o)30 838-62550

lebensmittelhygiene@vetmed.fu-berlin.de

Institute for Animal Hygiene and Environmental Health (WE 10)



R.-v.-Ostertag-Str. 7-13 14163 Berlin-Düppel

Tel.: +49 (0)30 838-51845

tierhygiene@vetmed.fu-berlin.de

Institute of Animal Welfare, Animal Behavior and Laboratory Animal Science (WE11)



Königsweg 67, Building 21, 1st OG14163 Berlin

Phone: +49 (o)30 838-56034

tierschutz@vetmed.fu-berlin.de



Institute of Animal Pathology (WE12)



R.-v.-Ostertag-Str. 15 14163 Berlin-Duppel

Phone: +49 (o)30 838-62450

pathologie@vetmed.fu-berlin.de

Institute of Parasitology and Tropical Veterinary Medicine (WE13)



R.-v.-Ostertag-Str. 7-13 14163 Berlin-Duppel

Phone: +49 (o)30 838 62310

parasitologie@vetmed.fu-berlin.de

Institute of Pharmacology and Toxicology (WE14)



Koserstraße 20 14195 Berlin-Dahlem

Phone: +49 (o)30 838-53214

pharmakologie@vetmed.fu-

berlin.de

Institute of Veterinary Epidemiology and Biostatistics (WE15)



Königsweg 67, Building 21, 1st OG14163 Berlin

Phone: +49 30 838 71714

marcus.doherr@fu-berlin.de



3 Information about the courses

3.1 Formal framework: Course of studies according to the Veterinary Licensing Ordinance

The degree programme in Veterinary Medicine in Germany is organized by the state. This means that the framework conditions are not regulated by the universities, but according to the requirements of the "Veterinary Licensing Ordinance" on a nationwide basis. This applies not only to the content, but also to the examinations, which are not organized by the university, but by a higher-level body. In Berlin, the "State Office for Health and Social Affairs" (LAGeSo) is responsible for this.

The TappV and other legal bases can be found at:

https://www.vetmed.fu-berlin.de/studium/veterinaermedizin/gesetze-ordnungen/index.html

The requirements of the TappV are implemented at the university for the course of study in a study regulation. These study regulations determine, among other things, which compulsory courses are offered in the individual semesters. At this planning level, the courses are described in this brochure.

The subsequent course planning is very concrete. In the course planning, it is planned for each semester exactly when each course will take place, in which room and by which lecturers. A list of the specific courses held in a semester with the corresponding times, locations and contact persons can be found in the course catalogue of the FU Berlin at: http://www.fu-berlin.de/vv

For each semester, timetables are published well in advance of the start of the courses, in which the weekly lectures, exercises and seminars as well as the venues are broken down. These are also available online at www.vetmed.fu-berlin.de. Further optional courses can be found in the online course catalogue of Freie Universität Berlin at: https://www.vetmed.fu-berlin.de/studium/veterinaermedizin/stundenplaene/index.html

3.2 Courses for planning your exchange

3.2.1 "Compulsory Events"

For a better overview for planning your exchange, you will find a compilation of the compulsory courses of the current year in Appendix 1, divided by semester. In addition to the descriptions of the contents of the courses and the type of performance assessment, you will find the ECTS credits with which these courses can be credited.

Please note that the courses of the 1st, 3rd, 5th, 7th and 9th semesters take place in the winter semester and the courses of the 2nd, 4th, 6th, 8th and 10th semesters take place in the summer semester.

3.2.2 "Final clinical rotation"

The "Final clinical rotation" is the most important part of the practical-clinical training. This includes 9 consecutive weeks in one of the three clinics of the School. Students must opt for a focus rotation; farm animals, horses or small animals. The rotation groups are fixed in advance and cannot be freely chosen. The rotations are wholly or partially within the lecture period. For your planning, this means that you can complete either a clinical rotation OR other courses in one semester. It is generally not possible to successfully attend courses from the 1st to 8th semester and a rotation in one semester.

You will be offered a complete final rotation, but a clinic of your choice cannot be guaranteed in every case. If you wish to attend the final clinical rotation during your stay, it must be checked in advance in which focus rotation places are available. The ERASMUS representative at our School must be involved in the planning at an early stage.

3.2.3 "Elective Courses"

In addition to the compulsory courses, the School offers a variety of other courses that allow students to deepen their knowledge of a specific topic. The elective courses are advertised anew every semester, so that these courses are only fixed for the current (and possibly future) semester. These courses are published exclusively in the course catalogue. The courses are generally counted with one ECTS credit. Regular attendance is compulsory.





4 Examinations and performance assessments

4.1 Examinations

The examinations for students of the Veterinary Medicine degree programme are "state examinations". These exams are not organized by the university, but by an external authority. Incoming students within the framework of the ERASMUS exchange can therefore not take part in the official state examinations. However, examinations equivalent to the state examinations can be organized if incoming students fulfil the entrance requirements for those exams, i.e., have taken all modules that are content to these exams. To receive those examination offers, it is necessary to clearly define all exams you want to take at the beginning of the exchange. The procedure is as follows:

- (i) Your Learning Agreement should specify which modules require an examination.
- (ii) Review your LA with the ERASMUS coordinator regarding the feasibility of the examinations you have planned.
- (iii) Details must be agreed with the responsible lecturers (types of examinations, grades and dates) at the beginning of the semester.

The awarding of grades for courses that are otherwise not graded at Freie Universität Berlin is provided only in exceptional cases at the discretion of the course organizer. Please note that performance reviews cannot be carried out if they have not been coordinated in advance.

4.2 Course-related performance assessments

In addition to the examinations, performance assessments are sometimes carried out at the course level. The event types "seminars" and "exercises" require regular and successful participation. In some cases, success of participation is assessed with attestations or report writing. These assessments are generally ungraded. If deviating certificates of achievement are required, these must also be agreed in advance with the ERASMUS coordinator and the responsible lecturers. As for exams, the offering of assessments that are not laid out in the regular study regulations is completely at the discretion of the certifying lecturer.

For the course type "lectures", neither regular attendance is checked nor is performance assessment required at the course level. The content review takes place via examinations at the module level. Because Freie Universität Berlin does not perform attendance checks in lectures, it is generally not possible to receive documents certifying regular attendance in lectures.

In summary, the types of attendance certificates and grades that may be provided to foreign students are legally fixed in the study and examination regulations. Other certificates and grades may be provided only in rare, well justified and exceptional circumstances and are completely at the discretion of the course coordinator. Requests for certificates or grades must be agreed upon in the Learning Agreement at the beginning of the semester. As the provision of grades that are not fixed in the study and examination regulations can mostly not be expected, students are strongly advised to obtain those grades at their home university. To facilitate the latter, the Coordinator for International Relations, Partnerships and Visiting Students will support you in sitting remote exams with your home university during your stay at Freie Universität Berlin.





4.3 Performance evaluation (grading scale)

The usual performance assessment at the Faculty of Veterinary Medicine is based on § 14 TAppV and consists of a scale of five grades with verbal definitions. The following exam grades are used for the evaluation of performance in oral and written examinations:

| Grade Level | Definition | Description |
|-------------|------------------|--|
| 1 | "very good" | an excellent performance |
| 2 | "Good" | performance that is significantly higher than average requirements |
| 3 | "satisfactory" | a performance that meets average requirements in all respects |
| 4 | "adequate" | a performance that, despite its shortcomings, still meets the requirements |
| 5 | "Not sufficient" | a performance that no longer meets the requirements due to significant deficits. |

For students in ECTS, this grading system is "translated" into the ECTS grading scale, which has 6 levels with the criteria described below.

| Grade Level | Grade span | Definition | Definition | Description |
|-------------|------------|------------|--------------|---|
| Α | 1,0 - 1,5 | excellent | excellent | an outstanding achievement |
| В | 1,6 – 2,0 | Very good | very good | a performance above average with some slight flaws |
| С | 2,1 – 3,0 | good | Good | a generally solid performance with some major flaws |
| D | 3,1 - 3,5 | satisfying | satisfactory | Mediocre performance with conspicuous bugs |
| E | 3,6 – 4,0 | sufficient | sufficient | Performance meets the minimum requirements |
| F | 4,1 - 5,0 | failed | Fail | Performance below minimum requirements |

4.4 State examinations as part of the degree programme

The following state examinations are offered at Freie Universität, but Erasmus incoming students do not formally participate. If you would like to take some of these exams, please clarify this in advance with the ERASMUS coordinator.





List of examination subjects

| Title of the exam | Type and time of the examination or study-related assessment | Form of examination (proportion of grade of the examination subject according to TAppV) | Content of the exam |
|---|--|---|---------------------------|
| A. Preliminary veterinary examination | | | |
| Natural Science Section of the Veter | inary Preliminary Examination | (Pre-Physicum) § 19 TAppV | |
| Physics incl. Fundamentals of Physical Radiation Protection § 19 No. 1 TAppV | Examination during the lecture-free period at the end of the 2 nd semesters | Oral exam (100%) or alternatively written or electronic exam (100%) | § 21 TAppV |
| Chemistry § 19 No. 2 TAppV | Examination during the lecture-free period at the end of the 2 nd semesters | Exam (written or electronic) (100%) | § 21 TAppV |
| Zoology § 19 No. 3 TAppV | Examination during the lecture-free period at the end of the 2 nd semesters | Oral exam (100%) or alternatively written or electronic exam (100%) | § 21 TAppV |
| Botany of Forage, Poisonous and Medicinal Plants § 19 No. 4 TAppV | Examination during the lecture-free period at the end of the 2 nd semesters | Exam (written or electronic) (100%) | § 21 TAppV |
| Anatomical-physiological section of t | he preliminary veterinary exam | ination (Physicum) § 22 TApp\ | , |
| Biochemistry § 22 No. 4 TAppV | Examination during the lecture-free period at the end of the 3 rd semesters | Oral exam (100%) | § 27 TAppV |
| Animal Breeding and Genetics Including Animal Assessment § 22 No. 5 TAppV | Examination during the lecture-free period at the end of the 3rd semesters | Exam (written or electronic) (100%) | § 28 TAppV |
| Anatomy § 22 No. 1 TAppV | Examination during the lecture-free period at the end of the 4th semesters | Oral exam with practical parts (100%) | § 24 TAppV |
| Histology and Embryology § 22 No. 2 TAppV | Examination during the lecture-free period at the end of the 4th semesters | Exam (written or electronic) (100%) | § 25 TAppV |
| Physiology § 22 No. 3 TAppV | Examination during the lecture-free period at the end of the 4th semesters | Oral exam with practical parts (100%) | § 26 TAppV |





| | | f the exam | Type and time of the examination or study-related assessment | Form of examination (proportion of grade of the examination subject according to TAppV) | Content of the exam |
|---|--------------|--|---|---|---------------------------|
| B. | Vet | terinary examination | | | |
| Ну | gie! | al Husbandry and Animal ne No. 1 TAppV | Examination during the lecture-free period at the end of the 5 th smesters | Exam and first repeat exam: written or electronic exam (100%) | § 32 TAppV |
| | | ll Welfare and Ethology No. 2 TAppV | Examination during the lecture-free period at the end of the 5th semesters | Exam (written or electronic) (100%) | § 33 TAppV |
| Animal Nutrition § 29 No. 3 TAppV | | | Examination during the lecture-free period at the end of the 5th semesters | Oral exam with practical exercises (100%) | § 34 TAppV |
| | | al Propaedeutics No. 4 TAppV | Examination during the lecture-free period at the end of the 5th semesters Oral exam with practical exercises (100%) | | § 35 TAppV |
| | rolo 29 N | gy No. 5 TAppV | Examination during the lecture-free period at the end of the 6th semesters | | § 36 TAppV |
| | | riology and Mycology lo. 6 TAppV | 2 parts as follows: | | § 37 TAppV |
| | 1 | Microbiology Course | Course-related assessment during the 6 th semester | Practical exercise with written protocol (20%) | |
| | 2 | Bacteriology and Mycology | Examination during the lecture-free period at the end of the 6th semesters | Exam (written or electronic) (80%) | |
| | | itology No. 7 TAppV | Examination during the lecture-free period at the end of the 6th semesters Oral exam with practical exercises (100%) | | § 38 TAppV |
| Pharmacology and Toxicology § 29 No. 9 TAppV | | | Examination during the lecture-free period at the end of the 6th semesters | Oral exam (100%) | § 40 TAppV |





| | of the exam | Type and time of the examination or study-related assessment | Form of examination (proportion of grade of the examination subject according to TAppV) | Content of the exam |
|-----------------|---|--|---|---------------------------|
| B. Ve | terinary examination | | | |
| | and Narcotics Legislation No. 10 TAppV | 2 parts as follows: | | § 41 TAppV |
| 1 | Galenics and Prescription | Course-related performance assessments during the 7 th semester | Practical exercise with written or electronic content (40%) | |
| 2 | Drug and Narcotics Legislation | Examination during the lecture-free period at the end of the 7th semesters | Oral exam (60%) | |
| Radio § 29 ľ | ology No. 12 TAppV | Examination during the lecture-free period at the end of the 7 th semesters | Oral exam with practical exercises/OSCE (100%) | § 43 TAppV |
| Infect | al Epizootic Control and ion Epidemiology No. 8 TAppV | Examination during the lecture-free period at the end of the 8th semesters | Examination during the lecture-free period at the end of the | |
| Patho Histol | ral Pathology and Special logical Anatomy and ogy No. 13 TAppV | 3 parts as follows: | | § 44 TAppV |
| 1 | General pathology | Study-related performance assessment during the lecture-free period at the end of the 8th semester | Exam (written or electronic) (25%) | |
| 2 | Special Pathology | Study-related performance assessment during the lecture-free period at the end of the 8 th semester | Exam (written or electronic) (35%) | |
| 3 | General Pathology and Special Pathological Anatomy and Histology | Examination in the 9 th /10 th semester, during the final clinical rotation | Oral and practical exam (40%) | |
| | ry diseases No. 11 TAppV | Final exam during the 11 th semester | Oral exam (100%) | § 42 TAppV |
| Hygie | Science Including Food ne No. 14 TAppV | Final exam during the 11 th semester | Oral exam with practical exercises (100%) | § 45 TAppV |
| | Hygiene No. 15 TAppV | 2 parts as follows: | | § 46 TAppV |
| 1 | General and special meat hygiene | Study-related performance assessment at the end of the course 8th semesters | Exam (written or electronic) (40%) | |
| 2 | Fleischhygiene | Final exam during the 11 th semester | Oral exam with practical exercises (60%) | |





| Title of the exam B. Veterinary examination | | Type and time of the examination or study-related assessment | Form of examination (proportion of grade of the examination subject according to TAppV) | Content of the exam |
|--|---|--|---|---------------------------|
| | y Science | 2 parts as follows: | | § 47 TAppV |
| | No. 16 TAppV | · | 1 | 8 41 17bb |
| 1 | Milk Test Report | Course-related performance assessment during the 7 th semester | Practical exercise with written protocol (30%) | |
| 2 | Dairy Science | Final exam during the 11 th semester | Exam (written or electronic) (70%) | |
| | roductive Medicine) No. 17 TAppV | Final exam during the 11 th semester Oral exam with practical exercises (100%) | | § 48 TAppV |
| | rnal Medicine) No. 18 TAppV | 2 parts as follows: | | § 49 TAppV |
| 1 | Internal Medicine, Dermatology and Laboratory Diagnostics (cross-species exam) | Study-related performance assessment during the lecture-free period at the end of the 8 th semester | Exam (written or electronic) (40%) | |
| 2 | Internal Medicine | Final exam during the 11 th semester | Oral exam with practical exercises (60%) | |
| | gery and Anaesthesiology 9 No. 19 TAppV | 2 parts as follows: | | § 50 TAppV |
| 1 | General and Special Surgery, Anaesthesiology and Ophthalmology (cross- species exam) | Study-related performance assessment during the lecture-free period at the end of the 8 th semester | Exam (written or electronic) (40%) | |
| 2 | Surgery and Anesthesiology | Final exam during the 11 th semester | Oral exam with practical exercises (60%) | |
| Judicial Veterinary Medicine, Professional Law and Professional Code § 29 No. 20 TAppV | | Final exam during the 11 th semester | Exam (written or electronic) (100%) | § 51 TAppV |





6 Courses in WS 2023/24 and SoSe 2024

6.1 Pre-clinical studies

6.1.1 Courses of the 1st Year

| Chemistry | | | | | |
|-----------------|--|--|--|--|--|
| Course No. | 21791b | Semester | 1 | | |
| Format | Lectures | ECTS-Credits | 4,0 | SWS | 4,0 |
| Course contents | interaction of light matter, equation of and reduction, hale hydrogen bond, chast order reaction, profile, activation of bonding, ionic bororbital hybridization properties and struneutralization, ind buffer, buffer capar Potentials, Nernst' electrode, diffusion equilibria, solubilit toxicity & concentr complexes, chelate nitrogen group, an acid, phosphoric acid, phosphoric acid, phosphate bucarbon group, carb | s equation, pH-deper and membrane pot- y product, heterogen ation, alkaline earth i d complexes, toughn nmonia, hydrazine, h cid, apatites, multi-st | ntity of substante, properties of sisotopes, ato ities, hydrogen of mass, react ctions, Gibbs-Hand open systiali halides, chatomic molecule issociation, phodobases, pkA, product potentials, sulfur a eous phase equinetals, formatices, coordinatices, coordinatices, age dissociation carbonate & control of the coordinatices of the carbonate & coordinate & co | f matter, noble mic bond H2 nance bond H2 na | ucture of atoms, gases, states of molecule, oxidation ar atomic bond, fe, ation, energy cals, metallic colecule, ozone, ands, mesomerism, ses (Brønstedt), dissociation *, ment with the glass s, coupled al trace elements, astants of con & aluminum), s, nitric and nitric and phosphoric , phosgene, |
| Institutions | WE03 | | | | |

| Medical termino | Medical terminology | | | | | | | |
|-----------------|--|-----|------------------|----------------|----------|-----------|---------------|-----|
| Course No. | 08069 | | Semester | 1 | | | | |
| Format | Lectures | | ECTS-Credits | 1,0 | | SWS | 1,0 | |
| Course contents | Latin and Greek pl | hon | etics and words, | application in | scientif | ic and me | edical langua | ge, |
| | structure of the noun anatomica, including related nomenclatures | | | | | | | |
| Institutions | WE01 | | | | | | | |

| Physics (V) | | | | | | | | |
|-----------------|---|--------------|-----|-----|-----|--|--|--|
| Course No. | 20007301 | Semester | 1 | | | | | |
| Format | Lectures | ECTS-Credits | 2,0 | SWS | 2,0 | | | |
| Course contents | The lecture focuses on elements of atomic and nuclear physics related to radiology (fundamental ideas of quantum mechanics, Bohr's atomic model, nuclear model, radioactive decay, steel protection). The basics of mechanics, electricity, wave theory and optics necessary for the understanding of atomic and nuclear physics are discussed in the first half of the lecture. | | | | | | | |
| Institutions | WE02 | | | | | | | |

Physical Exercises





| Course No. | 20007330 | Semester | 1 | | | | |
|-----------------|---|--------------|-----|-----|-----|--|--|
| Format | Exercise | ECTS-Credits | 4,0 | SWS | 2,0 | | |
| Course contents | In the practical exercises, the methods of experimental work are introduced. For this purpose, experimental tasks from the fields of mechanics, electricity, optics, atomic and nuclear physics are processed, recorded, evaluated and compared with theoretical assumptions. | | | | | | |
| Institutions | WE02 | | | | | | |

| Zoology | | | | | |
|-----------------|---|--|---|------------------------------------|---------------------|
| Course No. | 23760a | Semester | 1 | | |
| Format | Lectures | ECTS-Credits | 4,0 | SWS | 4,0 |
| Course contents | cytoskeleton, extr development; basic genetics); Introduction to p Presentation of th | ne animal cell; onships (excretion, co racellular matrix); rep or phenomena of geno hylogenetic systemat ne most important ta mal Physiology incl. I | roduction, genetics (molecularies; xa of the anima | erational renew genetics, devel | al and lopmental |
| Institutions | WE13 | | | | |

| c In. | | | | |
|-----------------|--|---------------------------------------|-----------------------|---------------------------------|
| General Botany | | | | |
| Course No. | 23760b | Semester | 1 | |
| Format | Lectures | ECTS-Credits | 4,0 | SWS 2,0 |
| Course contents | The lecture present | s the main lines of the | e plant kingdom w | ith their respective |
| | characteristics and | discusses the basic pri | inciples of plant lif | e forms in the context of |
| | their evolution. | | | |
| | (1) The three kingd | oms of living things, e | volutionary lines o | of prokaryotes with aerobic |
| | photosynthesis. Ev | olutionary lines of pho | tosynthetic eukary | otes, endosymbiont theory |
| | (2) Sexual reproduc | tion in plants, alternat | ion of generations | s, overview of the polyphyletic |
| | group of algae (Par | t 1: Heterokontophyta | , Dinophyta, Crypt | cophyta, Euglenophyta) |
| | (3) Overview of the | polyphyletic group of | algae (Part 2: Glau | cobionta, Rhodobionta, |
| | Chlorobionta), ove | view of the Mycobion | ta as plastid-less, h | neterotrophic organisms |
| | (especially slime, as | scomyceous and stand | er fungi), overview | of lichens as a symbiosis |
| | between fungi and | algae | | |
| | | | | algae (Part 3: algae-shaped |
| | · · | he Streptophyta), over | | |
| | · · | · · · · · · · · · · · · · · · · · · · | | cophytes and monilophytes |
| | • | moss ferns, horsetails) | | |
| | | | | rns), characteristics of seed |
| | The state of the s | | | Ginkgopsida, Coniferopsida) |
| | | | | roductive morphology of |
| | | | | sperms, monocotyledons, |
| | eudicots), diversity | of selected groups of | monocots and eud | icots. |
| Institutions | WE04 | | | |

| General and Special Histology I | | | | | | | |
|---------------------------------|--|-----|-----------------|---------|---------------|------------|-----|
| Course No. | 08060 | | Semester | 1 | | | |
| Format | Lectures | | ECTS-Credits | 1,0 | | SWS | 1,0 |
| Course contents | Ultrastructure of the the skin and immunestablishing refere knowledge. | ıne | system of domes | tic mam | mals and bird | ds with fu | |
| Institutions | WE01 | | | | | | |





| General and Spe | General and Special Histology Course I | | | | | | | | |
|-----------------|---|--|---|--|--|--|--|--|--|
| Course No. | 08062 | Semester | 1 | | | | | | |
| Format | Exercise | ECTS-Credits | 4,0 | SWS | 2,0 | | | | |
| Course contents | Handling of the mic tissues (bone tissue, organs of the lymph Deepening of knowl respective course pr Basic knowledge of basic knowledge of l immunohistochemis Basic knowledge in Maximization of pro students accompani | , including developmatic system of dominatic system of dominations. The preparation of light microscopy, relight microscopy, relight microscopy and the differentiation of the differe | ment), as well a estic mammals the histological preparations for butine histological icroscopy. of physiological nee through pee | s blood vessels, and poultry. I-microscopic di r light and electical staining, and pathologicer instructing (= | blood cells and iagnostics of the ron microscopy, ally altered tissue. | | | | |
| Institutions | WE01 | | , | | | | | | |

| Agriculture | | | | | | | |
|-----------------|---|---|--|--|---|---|---|
| Course No. | 08210 | | Semester | 1 | | | |
| Format | Lectures | | ECTS-Credits | 2,0 | | SWS | 2,0 |
| Course contents | performance, animal-environmentarm structures wintensive and extensional husbandry livestock in the agrevaluation of anime evaluation criterial principles of barrocombinations of housing grazing practices; Influences of husb pigs, as well as the | nal entith I nsiveroed and for con usb g for and cor | interaction; ivestock farming; we livestock farming; d animal welfare; ar cosystem; nusbandry systems; animal-friendly and estruction; housing andry, feeding, mil or growing cattle; using arrangements dry and feeding pracality of the meat; anditions for sheep fa | ; requirements timal husband d environment arrangements king, manure for pigs at all ctices on the h | s for a ry and cally so for d remo levels ealth | animal hus d environn ound anim airy cows; val; s of husbar and growt | bandry systems; nental protection; nal husbandry; |
| Institutions | WE04 | | 5 6 | | | | |

| Course No. | о8оохх | Semester | 1 | | |
|-----------------|----------|--------------|-----|-----|-----|
| Format | Exercise | ECTS-Credits | 2,9 | SWS | 5,0 |
| Course contents | | | | | |
| Institutions | | | | | |

| Comparative An | atomy I | | | | | | |
|-----------------------|--|-----------------------------|---|---|---|--|---|
| Course No. | 08050 | | Semester | 1 | | | |
| Format | Lectures | | ECTS-Credits | 1,5 | | SWS | 1,5 |
| Course contents | Construction of I myology, arthrology of skin, mucous m Knowledge of the respiratory, digest close connection vendocrine systems Ability to link top zoology). | gy, neme basive, vith | angiology, lympl abranes and sero asic concept of st urinary and repu the circulatory a | hology, neur us membrar cructures and roductive sys and nervous | ology as w nes. I organ sys stems) in co systems as | ell as the stems (e.g arnivores s well as t | general structure g. musculoskeletal, (dogs, cats) in he lymphatic and |





| | Practical relevance through constant linking of applied anatomical aspects with clinically relevant topics with regard to the clinical part of the course (surgery, imaging diagnostics: X-ray, ultrasound, MRI, CT). Understanding of comparative anatomy using the example of variations of the basic blueprint of the animal's body between dog and cat. Preparation for the subsequent, thematically coupled practical lessons. |
|--------------|---|
| Institutions | WE01 |

| Comparative An | atomy I (Dissection | n course) | | | |
|-----------------|---|---|---|--|---|
| Course No. | 08052 | Semester | 1 | | |
| Format | Exercise | ECTS-Credits | 6,0 | SWS | 3,0 |
| Course contents | - Systematically guid on fixed and unfixed - Deepening of speci of professional comm "peer instructing". "P teaching by students - Learning the topog work. Linking topographic - Independent prepa and comparison of the carcasses, as well as or glycol (PEG) preparat - Mesoscopic demon - Learning anatomica - Clinical relevance be anatomical specimen on specific topics as or - Guidance for the as | animal bodies (dog alist knowledge, dev nunication between teer instructing" (peed accompanied and suraphic preparation in and systematic anatoration of the body cane different anatomical or organ and skeletations. Strations (dissecting al terminology, y learning how to in its created or provide well as CT and ultrassurations alist and ultrassurations. | and cat comparelopment of rhestudents through the instruct upported by the nethod as preportions; interdisciplifies on unfixical structures of preparations in magnifying greaterpret imaging by the patier sound images. | prative). The torical skills and the new dides are to instruct) in the lecturers. The lecturers are to find any links (he declarity links (he declarity links) are to find any links (he declarity links). The torical skills are to find any links (he declarity links). The torical skills are to find any links (he declarity links). The torical skills are to instruct the s | and intensification dactic method is based on the er clinical-surgical distology, zoology). asses (dog and cat) in unfixed and polyethylene |
| Institutions | WE01 | | | | |

| History of Veterinary Medicine | | | | | | | | |
|--------------------------------|---|-------|------------------|-------|------------|-----------|----------|-----|
| Course No. | 08912 | | Semester | | 1 | | | |
| Format | Lectures | | ECTS-Credits | | 1,0 | | SWS | 1,0 |
| Course contents | At the beginning of development of verthings, the relation is depicted. | eteri | nary medicine ar | nd th | ne history | of the pr | ofession | |
| Institutions | WE17 | | | | | | | |

| Introduction to | Introduction to the Veterinary Profession | | | | | | | | | |
|-----------------|---|--|---|---|---|---|---|--|--|--|
| Course No. | 08850 | | Semester | 1 | | | | | | |
| Format | Lectures | | ECTS-Credits | 2,0 | | SWS | 1,0 | | | |
| Course contents | As part of the even practice and the as ask questions about raining within the Practitioners, officipharmaceutical includes with the associated Questions and con | soc ut the fra ial v dus d hi | ciated career opportunes the study of veterinamework of the coveterinarians, scietry and professionghlights, but also | ortunities. St nary medicir ompulsory ir ntists, veterinal nal represent the obstack | eudents wine. The ponternships inarians watatives des | Il have the ssibilities are presectorking in scribe the | e opportunity to for choosing ented. the ir everyday work | | | |
| Institutions | WE18 | | | | | | | | | |

Cross-sectional teaching: Module Learning Strategies and Time Management





| Course No. | 08770 | Semester | 1 | | |
|-----------------|----------------------------------|------------------------|---------------|--------------------|------------------|
| Format | Seminars | ECTS-Credits | 1,0 | SWS | 1,0 |
| Course contents | In this course, lear management. | ning strategies are le | arned and app | lied, as well as r | methods for time |
| Institutions | WE01 | | | | |

| Chemistry Exercises | | | | | | | |
|---------------------|------------------------|---|-----|-----|-----|--|--|
| Course No. | 21791a | Semester | 2 | | | | |
| Format | Exercise | ECTS-Credits | 5,0 | SWS | 3,5 | | |
| Course contents | Practical exercises of | Practical exercises on selected topics of the lecture | | | | | |
| Institutions | WE03 | | | | | | |

| Botany of Forag | e, Poisonous and | 1 k | Aedicinal Plan | ts | | | | |
|------------------------|---|------|--------------------|-------|--------------|---------|------------|--------------------|
| Course No. | 08205 | | Semester | | 2 | | | |
| Format | Lectures | | ECTS-Credits | | 2,0 | | SWS | 2,0 |
| Course contents | The aim of the eve | | , | | | | | |
| | 1. know basic meth | | | | | | | |
| | 2. be able to name | | • | τοα | der plants, | | | |
| | 3. know the essent | | | ممط | nna sasa fan | | | |
| | 4. learn how to har 5. master the basic | | | | • | age cri | ops, | |
| | 6. be able to recog | | | | | dicinal | and noise | anous plants and |
| | 7. know and be abl | | | | | | | |
| | Teaching units: | C 11 | assess then mg | rcuic | ints of phar | macon | ogical/tox | icological chects. |
| | 1. Introduction, ba | sics | of the cultivation | n of | fodder plant | ts | | |
| | 2. Permanent gras | slar | nd, green cutting | S | | | | |
| | 3. Management an | ıd i | nfluence on feed | valu | e | | | |
| | 4. Forage cultivation | n | | | | | | |
| | 5. Specificities of c | | | | | | | |
| | 6. Introduction to | | • | ' | | | | |
| | 7. Botany of medic | | • | | | | | |
| | 8. Botany of medic | | | n) | | | | |
| | 9. Introduction to | • | • | | | | | |
| | 10. Botany of poiso | ono | us plants | | | | | |
| Institutions | WE04 | | | | | | | |

| Biochemistry I | | | | | | | |
|-----------------|---|--|---|---|---------|-----------|-------------------|
| Course No. | 08150 | | Semester | 2 | | | |
| Format | Lectures | | ECTS-Credits | 4,0 | | SWS | 4,0 |
| Course contents | The Basic Concept -Introduction - Amino acids, pro - Coenzymes/vitan - Carbohydrates ar - Lipids, membran - Biological oxidati A detailed compila | tein nin: nd t ne fo ion tion | ns and N-metabo s and enzymes their metabolism ormation and lip (citrate cycle, res n of the lecture c | olism id metabolism piratory chain) | ng a ca | talogue (| of topics, can be |
| Institutions | WEo3 | | | | | | |

| Seminar for the Biochemistry Practical Course | | | | | | | | |
|---|---------------------------------------|---|-----|-----|--------------------|--|--|--|
| Course No. | 08152 | Semester | 2 | | | | | |
| Format | Seminars | ECTS-Credits | 2,0 | SWS | 0,5 | | | |
| Course contents | · · · · · · · · · · · · · · · · · · · | ions are to be complored order to deepen spec | | | his seminar on the | | | |





| | Amino acids |
|--------------|--------------------------|
| | Proteins |
| | Enzymes |
| | Carbohydrates |
| | carbohydrate metabolism, |
| | Vitamins |
| | Lipids |
| | Lipid metabolism. |
| Institutions | WEo3 |

| Animal Breeding | Animal Breeding and Genetics Incl. Animal Assessment | | | | | | | | | |
|-----------------|---|---------------------|-------------------------------------|----------|--------|-----|-----|--|--|--|
| Course No. | 08215 | | Semester | 2 | | | | | | |
| Format | Lectures | | ECTS-Credits | 2,0 | | SWS | 2,0 | | | |
| Course contents | Course contents: - Structure and fur - Importance of m - Laws of heredity - Molecular geneti - Population genet | uta c m tic l | tions nethods in animal pasis | breeding | grams) | | | | | |
| Institutions | WE11 | | | | | | | | | |

| Special Animal Breeding and Genetics Incl. Animal Assessment | | | | | | | | |
|--|---|---|----------------|---------------------|-----------------|--|--|--|
| Course No. | 08216 | Semester | 2 | | | | | |
| Format | Lectures | ECTS-Credits | 2,0 | SWS | 2,0 | | | |
| Course contents | Development of a Breeding progran for important livest Current aspects o | ns (breeding goal, p tock breeds of cattle | erformance tes | sts, selection, bre | eding progress) | | | |
| Institutions | WE11 | | | | | | | |

| Exercises in Animal Breeding and Genetics Incl. Animal Assessment | | | | | | | | |
|---|--|------------------------------------|---|--|---|----------|-----|--|
| Course No. | 08217 | | Semester | 2 | | | | |
| Format | Exercise | | ECTS-Credits | 2,0 | | SWS | 1,0 | |
| Course contents | Cattle: breeds; dire of breeding anima practical breeding Horses: Organizat Pigs: breeding valu breeds and breeding Sheep and goats: b | ls, a wo ion ue e ng a | assessment of ca rk. of the performan estimation, breed animals, assessmeds of sheep, breed | rcasses and q nce test ing methods ent of carcass | uality prod , assessme s quality. | duction, | gs | |
| Institutions | unfavourable popu WE11 | nat | ion structures. | | | | | |

| Physiology I | | | | | |
|-----------------|----------|--|-----|-----|-----|
| Course No. | 08100 | Semester | 2 | | |
| Format | Lectures | ECTS-Credits | 2,0 | SWS | 2,0 |
| Course contents | | he physiology lectur excitability as well a | | | |
| Institutions | WE02 | | | | |

| Comparative Anatomy II | | | | | | | | |
|------------------------|----------|--------------|-----|-----|-----|--|--|--|
| Course No. | 08054 | Semester | 2 | | | | | |
| Format | Lectures | ECTS-Credits | 1,0 | SWS | 1,0 | | | |





| Course contents | |
|-----------------|------|
| Institutions | WE01 |

| Comparative Anatomy II (Dissection course) | | | | | | | | |
|--|----------|--------------|-----|-----|-----|--|--|--|
| Course No. | 08051 | Semester | 2 | | | | | |
| Format | Exercise | ECTS-Credits | 6,0 | SWS | 3,0 | | | |
| Course contents | | | | | | | | |
| Institutions | WE01 | | | | | | | |

| Introduction to Behavioral Biology | | | | | | | | | |
|------------------------------------|--|---|------------------------------|-----|---------------------|--|--|--|--|
| Course No. | 08550 | Semester | 2 | | | | | | |
| Format | Lectures | ECTS-Credits | 2,0 | SWS | 2,0 | | | | |
| Course contents | Emergence of belands Methods of behands Specific behaviors | d Objectives of Beha havior and behaviors vioral observation s such as dogs, cats, , poultry, sheep and | al patterns pets, laboratory | | frogs and reptiles, | | | | |
| Institutions | WE11 | | | | | | | | |

| Introduction to Animal Welfare Ethics and Law | | | | | | | | | |
|---|---------------------|----------------------|--------------------|-------------------|---------------|--|--|--|--|
| Course No. | 08551 | Semester | 2 | | | | | | |
| Format | Lectures | ECTS-Credits | 2,0 | SWS | 2,0 | | | | |
| Course contents | - Fundamentals of | Animal Welfare La | w (Animal Protec | ction Act, Animal | Protection | | | | |
| | Ordinance, Anima | Protection Ordina | ince, Animal Prot | tection Ordinanc | e, Regulation | | | | |
| | 1/2005 (EC), Anima | l Protection Ordin | ance, Directive 6 | 3/2010 EU, Anim | al Protection | | | | |
| | Ordinance) | | | | | | | | |
| | - Mammal apprais | al | | | | | | | |
| | - Circus Guidelines | S | | | | | | | |
| | - Veterinary Ethics | | | | | | | | |
| | - Aspects of anima | I welfare in the kee | ping of cattle, pi | gs, pets and pets | | | | | |
| | - Aspects of anima | l welfare at slaught | er | | | | | | |
| | - Aspects of anima | l welfare in zoo ani | mal husbandry a | nd the display of | fanimals | | | | |
| | - Ethical considera | tions and aspects o | of animal welfare | in animal resear | ch | | | | |
| Institutions | WE11 | | | | | | | | |

| Biomedical Stati | Biomedical Statistics | | | | | | | | | | |
|-------------------------|---|---|---|--|---|---|-----------|--|--|--|--|
| Course No. | 08780 | | Semester | 2 | | | | | | | |
| Format | Lectures | | ECTS-Credits | 2,0 | | SWS | 2,0 | | | | |
| Course contents | In this introductor medicine (epidem using illustrative e (1) definitions and (2) data formats ar (3) measures of dis (4) Characteristics (5) probability district (6) descriptive stat (7) formulating and (8) Simple statistics | xare are and coseas and ribu istic | ogy), data collection inples. In particulars as of application descriptions; se incidence and dareas of applicar utions (binomial, cs; esting statistical h | on and data on any the follow of epidemion association; association of diagnormal) and | evaluation ring topics logy and s ostic test calculatin | (statistics s will be ac statistics; procedure | ddressed: | | | | |
| Institutions | WE16 | | | | | | | | | | |

| Cross-sectional Focus on Communication | | | | | | | | |
|--|----------|--------------|-----|-----|-----|--|--|--|
| Course No. | 08083 | Semester | 2 | | | | | |
| Format | Lectures | ECTS-Credits | 1,0 | SWS | 1,0 | | | |





| Course contents | This course teaches the basics of communication. |
|-----------------|--|
| Institutions | WE01 |

6.1.2 Courses of the 2nd Year

| Biochemistry II | | | | | | | | | |
|-----------------|---|---------------------|------------------|-----------------|-----------------|--|--|--|--|
| Course No. | 08154 | Semester | 3 | | | | | | |
| Format | Lectures | ECTS-Credits | 3,0 | SWS | 3,0 | | | | |
| Course contents | A total of 5 lectures following topics to carbohydrates, carb | deepen the speciali | st knowledge: aı | mino acids, pro | teins, enzymes, | | | | |
| Institutions | WEo3 | | | | | | | | |

| Biochemical Pr | actical Course | | | | |
|-----------------|--|--|--|--|---|
| Course No. | 08151 | Semester | 3 | | |
| Format | Exercise | ECTS-Credits | 4,0 | SWS | 1,5 |
| Course contents | Practical implement 1. Proteins (determination of the second cleavage of triacylgly study of cytochrome 6. Nucleic acids (pur DNA and viscosity nucleavage) 7. Vitamins/hormon hormonal regulation | phoretic separation of the enrichment of the olation of glycogention of glycose-6-paration of glycerols by pancreation (extraction of menase reaction, acces C oxidase) rification of DNA for measurement, gelonges (characterization) | no acids with ninh n of LDH isoenzyr e enzyme lactate n from hepatic aci hospatase activity D-3-hydroxybutyr tic lipase, determ itochondria from juisition of cytoch rom whole horse electrophoresis of and purity) n and separation | mes in agarose dehydrogenas id hydrolysate sy in liver extraction of pero heart muscle, nrome C absorption, enzyma f DNA, photom | e gel, ee) and detection of et) od, enzymatic exide number) measurement of ption spectra, etic cleavage of metric |
| Institutions | WE03 | _ | | | |

| Proseminar for Exercises in Physiology | | | | | | | | | |
|--|--|---------------------------|--|---|-------------------------------|--------------------------------------|---|--|--|
| Course No. | 08102 | | Semester | 3 | | | | | |
| Format | Seminars | | ECTS-Credits | 2,0 | | SWS | 0,5 | | |
| Course contents | The preparatory se areas of the knowl The aim is to discu in addition to the up for the physiolo The aim is to enab | edg uss phy ogic | ge imparted in the basic cell and org rsiological exercises cal exercises and | e lectures. gan functions ses in such a v the examinati | in small way that pons in the | groups ir ractical k e subject | n preparation for or nowledge is built of physiology. | | |
| Institutions | WE02 | | | | | | | | |

| Physiology II | | | | | |
|-----------------|---|--|----------------|-----------------|-----------------|
| Course No. | 08101 | Semester | 3 | | |
| Format | Lectures | ECTS-Credits | 4,0 | SWS | 4,0 |
| Course contents | Building on the kn lecture program di processes, the spec of different organ s | scusses the central i ific functions of the | nervous system | control of comp | olex functional |





| | In addition to an explanation of the structure-function relationships, the special functional processes and their regulation, special attention is paid to the weaknesses relevant to pathophysiological derailments and pharmacological intervention points in the discussion of the individual organ systems. |
|--------------|---|
| Institutions | WEo2 |

| Institutions | WE02 | | | | | | | | | | |
|-----------------|--|---|---|--|---|--|--|---|--|--|--|
| | | | | | | | | | | | |
| Comparative Ar | Comparative Anatomy III | | | | | | | | | | |
| Course No. | 08053 | | Semester | 3 | | | | | | | |
| Format | Lectures | | ECTS-Credits | 1,5 | | SWS | 1,5 | | | | |
| Course contents | - Systematically gur fixed and unfixed a lixed and unfixed a lixed and unfixed a lixed professional con 'peer instructing' (professional con lecturers Learning the tope work, with a focus muscle furrows, powell as conduction lixed | nnir peecia mm pee the ogr on ositi str nde er s par nd mal lyet nstr ion an | mal carcasses (hors list knowledge, de unication between r = eng. The equal, teaching by stude aphic preparation stratigraphy, orientional relationships uctures to be gent ntly carry out the pecies and to work and systematic and cs, physiology). The ation of the body comparison of the l ruminants, pigs), hylene glycol (PEG rations (dissecting and transfer of meatomy by orienting | e, cattle, showelopment of students the the peer, to the nethod as partition on the and organ ple. The perparation of the county interest at a county; interest as well as on preparation magnifying edical terming palpation of the perparation | eep, goat of rhetori nrough the oreparation oreparation demonst nces. rdisciplin xed anim natomica on organ ons. glass). nology ar on live an | es, pigs). Ical skills are new did It = English Id support It on for late If palpable In on the are It rated on the It rated on the It rated on the are It structure It and skele It denotes the areas of the area | and intens dactic met h to educa ed by the er clinical-s e bone poi animal's bo the demon (microscop ses (horses es on unfix tal prepara | surgical nts and ody as estration pic c, cattle, ed | | | |
| Institutions | WE01 | | | | | | | | | | |

| Comparative A | natomy III (Disse | ction course) | | | |
|-----------------|--|--|--|--|--|
| Course No. | 08055 | Semester | 3 | | |
| Format | Exercise | ECTS-Credits | 6,0 | SWS | 3,0 |
| Course contents | knowledge of the bruminants) as well a birds, exotics) on the Introduction to the Presentation of clin using the example of Knowledge of the p Deepening of compidentification of the conditions of the di Comparison of the Learning the knowl simulation of stand Deepening of speci of professional comparisonal compariso | mammal and bird ba edge of anatomically | omestic mammanatomy of permal carcasses. Sial poultry. Stures of the body nowledge. In of certain organiseline. The relevant basics are lopment of the students or between the permanent of the | nals (cattle, honts (rodents, rab dy cavities and y wall. an systems to for soft tissue torical skills an | rses, pigs, small obits, ornamental linternal organs certain living surgery and ad intensification |
| Institutions | WE01 | | | | |





| Histology II (Microscopic Anatomy II) | | | | | | | | |
|---------------------------------------|--------------------|--|-----------|-----|-----|--|--|--|
| Course No. | 08061 | Semester | 4 | | | | | |
| Format | Lectures | ECTS-Credits | 1,0 | SWS | 1,0 | | | |
| Course contents | sensory organs, ea | my of the digestive, ch with functional re ences to clinical situa | eference. | , | , | | | |
| Institutions | WE01 | | | | | | | |

| Histology II (M | Histology II (Microscopic Anatomy II) and Embryology Course | | | | | | | | | | |
|-----------------|---|-----------------------|--|----------------------------|--|---|---------------------------------------|--|--|--|--|
| Course No. | 08063 | | Semester | 4 | | | | | | | |
| Format | Exercise | | ECTS-Credits | 4,0 |). | SWS | 2,0 | | | | |
| Course contents | Independent micro poultry as well as the placenta. Deepening of known respective course plasic knowledge in Maximization of prostudents accompanintensification of pland lecturers. | vleo rep theofe | most important dge especially for parations. e differentiation essional competed and supported | of physion of the throught | during emboological-microological and page instructions. | ryonic devoscopic dia athologica aucting (= | agnostics of the ally altered tissue. | | | | |
| Institutions | WE01 | | | | | | | | | | |

| Embryology | | | | | | | |
|-----------------|--|------------|--|-------------------------------|--------------------------|-------------------------|------------------------------|
| Course No. | 08065 | | Semester | 4 | | | |
| Format | Lectures | | ECTS-Credits | 1,0 | | SWS | 1,0 |
| Course contents | Development of es medical and exper epithelial and mes cell adhesion mole migration. | ime enc | ental embryology chymal interaction | such as diffenss, role of gro | rentiation owth facto | and dete ors, signal | rmination, ing molecules and |
| Institutions | WE01 | | | | | | |

| Clinical Biochemistry and Physiology | | | | | | | | | |
|--------------------------------------|--|-----------------------|---|---|--|--|--|--|--|
| Course No. | 08153 | | Semester | 4 | | | | | |
| Format | Lectures | | ECTS-Credits | 1,0 | | SWS | 1,0 | | |
| Course contents | Selected, clinically in close coordination pathobiochemical adiagnostics are der "Clinical Laboratory coordinated teaching | on vand ive y D | with colleagues for I pathophysiologi d. This course sendiagnostics" in the | rom the two cal relations rves as man e 6th semest | discipline whips, refered to the disciplination of the disciplinat | s. From the ences to less to l | ne explanation of aboratory or the course al sequence of the | | |
| Institutions | WEo3 | J | | | | | | | |

| Physiological Exercises (4th semester) | | | | | | | | | | |
|--|--|---|--|--------------------------------------|------------------------|--|--|--|--|--|
| Course No. | 08103 | Semester | 4 | | | | | | | |
| Format | Exercise | ECTS-Credits | 5,0 | SWS | 2,5 | | | | | |
| Course contents | Deepening of the Acquisition of app physiology as well a Ready-to-use know variables | olication-ready kno as selected methoc | wledge of imports Is of laboratory ar | tant experiment nd clinical diagr | tal methods in nostics | | | | | |





| | - Training of dexterity in the handling of laboratory animals, laboratory equipment and computer-aided evaluation procedures |
|--------------|--|
| Institutions | WEo2 |

| Physiology III (4th semester) | | | | | | | | | | |
|-------------------------------|--|--------|-----------------|-----------|---------------|-----------|---------------|--|--|--|
| Course No. | 08104 | S | emester | 4 | | | | | | |
| Format | Lectures | Е | CTS-Credits | 1,0 | | SWS | 1,0 | | | |
| Course contents | In this third part of are clinically partic biochemistry and c content. | ularly | relevant are ta | aught. In | close coordin | ation, co | lleagues from | | | |
| Institutions | WE02 | | | | | | | | | |

| Comparative Anatomy IV | | | | | | | | | | |
|------------------------|----------|--------------|-----|--|-----|-----|--|--|--|--|
| Course No. | 08056 | Semester | 4 | | | | | | | |
| Format | Lectures | ECTS-Credits | 3,0 | | SWS | 3,0 | | | | |
| Course contents | | | | | | | | | | |
| Institutions | WE01 | | | | | | | | | |

| Feed Science | | | | | | | |
|-----------------|--|---|--|---|--|--|---|
| | . 0 | | Commenter | | | | |
| Course No. | 08200 | | Semester | 4 | | | |
| Format | Exercise | | ECTS-Credits | 4,0 | | SWS | 2,0 |
| Course contents | The optimal use of friendly and health and quality charact course, taking into storage, treatment methods are primalimit its use. Anoth biotechnological printing mixtures. Objectives 1. You will be family storage, treatment account factors ling. They are familia processes and treat. You are familiar | ny diteriment and distributed | iet of the animalistics, the compresciount the essential processing. The used to characteristics aim is to present esses and treatments with the key fact disprocessing of a assess feed on the its use. | s requires de hensive pres al influencin e ingredients erise the feed physical, che ents for imports influencial inimal feed. The basis of the physical, cherig the quality | tailed kno entation of g factors it s determinal, taking it emical, bion roving the mical, bion of feed a | owledge of of which is in product ned using nto accou- ological are e quality of oduction, nts identified ogical and nd feed m | f their ingredients is a focus of the tion, preservation, conventional int pollutants that ind if feed and feed interpreservation, fied, taking into into distinct. |
| Institutions | WE04 | | | | | | |

| Animal Welfare Seminar | | | | | | | | | | |
|------------------------|---|-------------------|---|---------------------------------|-------------------------|-------------------------|---------------------------------------|--|--|--|
| Course No. | 08552 | | Semester | 4 | | | | | | |
| Format | Seminars | | ECTS-Credits | 4,0 | | SWS | 2,0 | | | |
| Course contents | Practice-relevant ar in anonymized forr the small animal se Of great important relevant to animal v | m. Fecto ce is | Possible topics and possible topics and possible topics and possible topics the correct doc | re animal hus regnant cattle | bandry in e, euthana | circuses, asia of pe | , cruel breeding in ts, hunting, etc. | | | |
| Institutions | WE11 | | | | | | | | | |





6.2 Clinical Section

6.2.1 Courses of the 3rd Year

| Animal Nutrition | | | | | | | | | | |
|------------------|---|---|--|---|------------------|--|--|--|--|--|
| Course No. | 08201 | Semester | 5 | | | | | | | |
| Format | Lectures | ECTS-Credits | 3,0 | SWS | 3,0 | | | | | |
| Course contents | The objectives of the The students known and will have an objective and the The Spectimportant pet spectimportant pet spectimportant pet spectim and conference and food-producing and food-producing and known the influstice. | ow the nutritional be overview of the sciencies and can assess and assess errors and overview of the mong animals | entific findings on the energy and no d problems in feed st important dieta | animal nutrition utrient supply ding arphications | for pets, horses | | | | | |
| Institutions | WE04 | | | | | | | | | |

| Animal Nutrition | | | | | | | | | | |
|------------------|--|------------|---|----------|-----------------------------------|---------|-----------------|--|--|--|
| Course No. | 08202 | | Semester | 5 | | | | | | |
| Format | Exercise | | ECTS-Credits | 2, | 0 | SWS | 2,0 | | | |
| Course contents | The following learn 1. Students acquire 2. You have applica 3. You have basic k that are important | kr ıble | nowledge on pract knowledge of er wledge of the mai | ical fee | ding and ration Himitations in | feeding | ary indications | | | |
| Institutions | WE04 | | | | | | | | | |

| Clinical Propaedeutics - Small Animals | | | | | | | | | |
|--|---|-------------------|--|---|--|--|--|--|--|
| Course No. | 08952 | | Semester | 5 | | | | | |
| Format | Exercise | | ECTS-Credits | 2,0 | | SWS | 2,0 | | |
| Course contents | Application of previ | iou | isly discussed the | oretical kno | owledge un | der guida | nce in small | | |
| | groups. Topics: handling of palpation, cardiovas eyes, skin, ears, ora neurological examinates. Students should be content. They shou including special exfindings. | scu nat rat | ular examination, avity, respiratory tion, lameness dismiliar with the the able to carry o | blood draw tract, urina agnosis, dr eoretical fo ut a compl | y/injection ry tract, ga essing theo oundations ete clinical | technique strointesti ory; Exami of the pro general ex | s, examination of nal tract; nation of small paedeutic camination, | | |
| Institutions | WE20 | | | | | | | | |

| Clinical Propaedeutics - Ruminants, Camelids and Pigs | | | | | | | | |
|---|--|---------------------------|--|---|---|--|--|--|
| Course No. | 08854 | | Semester | 5 | | | | |
| Format | Exercise | | ECTS-Credits | 2,0 | | SWS | 2,0 | |
| Course contents | The paramount im modern technical studies. Within the examination proce camelids and pigs or scripts; practica | dia e fra du are | gnostic possibiliti amework of this c re and basic diagi taught (introduc | es, is impress ourse, the hanostic and the tion by mean | sively den andling of erapeutic as of time | nonstrate the livest skills in r | d in scientific tock, the clinical uminants, | |





| | The students train basic, non-invasive examination methods under guidance in small groups on live animals. Instruction is provided on occupational safety and biosafety when handling farm animals. |
|--------------|---|
| Institutions | WE18 |

| Clinical Propaedeutics - Equine | | | | | | | | |
|---------------------------------|---|--|-----|-----|-----|--|--|--|
| Course No. | 08802 | Semester | 5 | | | | | |
| Format | Exercise | ECTS-Credits | 2,0 | SWS | 2,0 | | | |
| Course contents | organ systems in ho theoretical introduc following week, a pi | In this course, the diagnostic procedure for the examination of the most important organ systems in horses will be presented theoretically and practically. In each case, a theoretical introduction is offered in the lecture hall of the Equine Clinic and in the following week, a practical exercise is performed on the treated organ system of interest in small groups on a living horse. | | | | | | |
| Institutions | WE17 | | | | | | | |

| Clinical Propaedeutics - Communication | | | | | | | |
|--|---|--|------------|---|------------------------|---------------------------|--|
| Course No. | 08082 | Semeste | er | 5 | | | |
| Format | Exercise | ECTS-C | redits | 1,0 | SWS | 1,0 | |
| Course contents | This course is a pradifferent real-life simulation persons There will also be a different scenarios | cenarios that s) and 1 role a short e-lear | you can vo | oluntarily play thro an be played amon | ugh with g each oth | actors (so-called ner. | |
| Institutions | WE17-20 | | | | | | |

| Animal Hygiene and Environmental Health | | | | | | | |
|---|--|--------------|-----|-----|-----|--|--|
| Course No. | 08460 | Semester | 5 | | | | |
| Format | Lectures | ECTS-Credits | 2,0 | SWS | 2,0 | | |
| Course contents | Basics of animal hy Definitions Ecosystem livestock-environm Legal basis | , | | | | | |
| Institutions | WE10 | | | | | | |

| Animal Husbar | Animal Husbandry | | | | | | | | |
|-----------------|--|---|---|-----------------|------------|------------|--------------|--|--|
| Course No. | 08461 | | Semester | 5 | | | | | |
| Format | Lectures | | ECTS-Credits | 2,0 | | SWS | 2,0 | | |
| Course contents | - Fundamentals of Principles - pig farming, catt poultry, waterfowl) - keeping small ru - Horse husbandry - Evaluate animal l - identify animal w - Knowing alternat | le fa), mir /, sr hus /elfa | arming (incl. calv nants, mall and pet farm bandry, are problems, | res), poultry f | arming (la | aying hens | s, fattening | | |
| Institutions | WE10 | | , , | | | | | | |

| General and Special Pharmacology and Toxicology | | | | | | | |
|---|--|--------------|-----|-----|-----|--|--|
| Course No. | 08700 | Semester | 5 | | | | |
| Format | Lectures | ECTS-Credits | 4,0 | SWS | 4,0 | | |
| Course contents | Introduction to pharmacokinetics and pharmacodynamics, | | | | | | |
| | autonomic nervous system | | | | | | |





| | CNS active substances, |
|--------------|--|
| | Narcosis |
| | analgesics, cardiovascular drugs, |
| | Gastrointestinal pharmaceuticals, |
| | Pharmacotherapy of the respiratory tract |
| Institutions | WE14 |

| General and Clinical Radiology I | | | | | | | | |
|----------------------------------|---------------------|--|-----|-----|-----|--|--|--|
| Course No. | 08974 | Semester | 5 | | | | | |
| Format | Lectures | ECTS-Credits | 1,0 | SWS | 1,0 | | | |
| Course contents | images of the horse | The lecture includes X-ray diagnostics of the proximal limb as well as head and trunk images of the horse. In addition, the basics of ultrasound diagnostics and the advanced imaging procedures CT, MRI and scintigraphy are presented. | | | | | | |
| Institutions | WE17 | | | | | | | |

| General and Special Virology I (V) | | | | | | | | |
|------------------------------------|---|---|---|--|--|--|--|--|
| Course No. | 08250 | Semester | 5 | | | | | |
| Format | Lectures | ECTS-Credits | 2,0 | SWS | 2,0 | | | |
| Course contents | The following topics General Virology: Morphology and sys General Infection The systemic infections. detection, diagnostic Special Virology: Veterinary pathogen notifiable animal discourse and diagnosi hygiene measures, s | tematics of viruses, neory: acute and late Humoral and cell-r cs. s of the individual v nease pathogens. Sy s of the disease, pre | replication cycle cent infections, Entinediated immune virus families, in pastematics, replicate evention and contr | ry points of versponse, varicular repoison cycle, en | viruses: local and accines, virus ortable and try point, etiology, | | | |
| Institutions | WEo5 | | | | | | | |

| General Infecti | ous Medicine/Ger | neral Bacteriolog | gy and Mycolo | gy | | | | |
|------------------------|------------------------|--|----------------------|---------------|---------------------|--|--|--|
| Course No. | 08350 | Semester | 5 | | | | | |
| Format | Lectures | ECTS-Credits | 2,0 | SWS | 2,0 | | | |
| Course contents | - Basis of infection a | nd epidemic theory | , definitions, ecos | system, cause | e-effect, evolution | | | |
| | of pathogen-host rel | ationships | | | | | | |
| | - Positive Guest-Hos | st Relationships, M | odel Diseases | | | | | |
| | - Pathogenesis | | | | | | | |
| | - Clinically inappare | | | | | | | |
| | - Infectious diseases | | | | | | | |
| | - Structure of bacter | ia | | | | | | |
| | - Genetics | | | | | | | |
| | - Metabolism, Cultiv | ration, Microscopy, | Isolation, Detection | on, Determir | nation, | | | |
| | Classification, Taxon | • | | | | | | |
| | - Virulence mechanis | | icity islands | | | | | |
| | - Chemotherapy and | | | | | | | |
| | , , | - General mycology (structure, taxonomy, propagation, virulence mechanisms, isolation, | | | | | | |
| | · | determination) | | | | | | |
| | - Etiology, Pathogen | esis, Clinic, Therap | y of Veterinary Re | levant Funga | al Infectious | | | |
| | Diseases | | | | | | | |
| Institutions | WE07 | | | | | | | |

| General and Specific Immunology | | | | | | | | |
|---------------------------------|----------|--------------|-----|-----|-----|--|--|--|
| Course No. | 08300b | Semester | 5 | | | | | |
| Format | Lectures | ECTS-Credits | 1,0 | SWS | 2,0 | | | |





| Course contents | The following topics will be discussed: |
|-----------------|---|
| | Receptors and cells of the non-specific immune system, the complement system, the |
| | humoral immune response, structure and function of the histocompatibility complex, T- |
| | cell-mediated immune response, cytokines, messengers of the immune system, |
| | mucosal immune responses, allergy and hypersensitivity, autoimmune responses, |
| | transplantation and immunosuppressants, tumor immunology, vaccination strategies, |
| | immune defense against protozoa and helminths. |
| Institutions | WEo6 |

| Parasitology Lectures | | | | | | | | | | |
|-----------------------|--|---------------------|-----------------|-------------------|--------------------|--|--|--|--|--|
| Course No. | 08650 | Semester | 5 | | | | | | | |
| Format | Lectures | ECTS-Credits | 3,0 | SWS | 3,0 | | | | | |
| Course contents | Objectives: | | | | | | | | | |
| | Acquisition of in-de | pth knowledge of g | eneral and spec | ial veterinary pa | arasitology. | | | | | |
| | Course contents: | | | | | | | | | |
| | The most important pathogens in veterinary medicine from the respective subfields of | | | | | | | | | |
| | parasitology, i.e. pro | otozoology, helmint | hology and aka | rology/entomol | ogy, are presented | | | | | |
| | with regard to their | | | | s, veterinary and | | | | | |
| | zoonotic significanc | | | | | | | | | |
| | In addition, the principles of parasitological diagnostics and the basics of therapy and | | | | | | | | | |
| | control are discusse | d. | | | | | | | | |
| Institutions | WE13 | | | | | | | | | |

| Surgery Block Course | | | | | | | | |
|----------------------|---|-----|--------------------|----------------|----------|----------|---------------|--|
| Course No. | 088820 | | Semester | 5 | | | | |
| Format | Exercise | | ECTS-Credits | 1,5 | | SWS | 1,5 | |
| Course contents | In the surgery bloc | k c | ourse, the theoret | ical knowledge | e is app | lied and | deepened at 7 | |
| | practical stations. The work is done in small groups. | | | | | | | |
| Institutions | WE20 | | | | | | | |

| Surgery - Basic Principles | | | | | | | |
|----------------------------|--|-----------|----------|-----|-----|--|--|
| Course No. | 08812 | Semester | 5 | | | | |
| Format | Lectures | ECTS-Cred | lits 1,0 | SWS | 2,0 | | |
| Course contents | This event is held in cooperation with Small Animal Surgery, Equine Clinic and Clinic for Hoofed Animals. General surgical topics will be discussed. | | | | | | |
| Institutions | WE20 | | | | | | |

| Herd Health Management | | | | | | | |
|------------------------|----------|--------------|-----|--|-----|-----|--|
| Course No. | 08904 | Semester | 5 | | | | |
| Format | Exercise | ECTS-Credits | 1,0 | | SWS | 1,0 | |
| Course contents | | | | | | | |
| Institutions | WE15 | | | | | | |

| Herd Health Management | | | | | | | |
|------------------------|----------|--------------|-----|--|-----|-----|--|
| Course No. | NEU | Semester | 5 | | | | |
| Format | Exercise | ECTS-Credits | 0,5 | | SWS | 0,5 | |
| Course contents | | | | | | | |
| Institutions | WE18 | | | | | | |

| Herd Health Management | | | | | | | |
|------------------------|----------|--------------|-----|-----|-----|--|--|
| Course No. | NEU | Semester | 5 | | | | |
| Format | Exercise | ECTS-Credits | 0,5 | SWS | 0,5 | | |
| Course contents | | | | | | | |
| Institutions | WE18 | | | | | | |





| General Pathology with Exercises (lecture) | | | | | | | | |
|--|--|---|-----------|--|-----|-----|--|--|
| Course No. | o86ooV | Semester | 5 | | | | | |
| Format | Lectures | ECTS-Credits | 1,5 | | SWS | 3,5 | | |
| Course contents | their definition and General disease pr | ogical conditions and their specific nome inciples and mechan ganism as a whole. | nclature. | | J | ŭ | | |
| Institutions | WE12 | | | | | | | |

| General Pathology with Exercises (practice) | | | | | | | |
|---|----------|--------------|-----|-----|-----|--|--|
| Course No. | o86ooÜ | Semester | 5 | | | | |
| Format | Exercise | ECTS-Credits | 0,5 | SWS | 0,5 | | |
| Course contents | | | | | | | |
| Institutions | WE12 | | | | | | |

| Special Pharmacology and Toxicology | | | | | | | | | |
|-------------------------------------|--|---|---|---|---|---|---|--|--|
| Course No. | 08701 | | Semester | 6 | | | | | |
| Format | Lectures | | ECTS-Credits | 2,0 | | SWS | 2,0 | | |
| Course contents | Drug and drug properties, receptor dose-response relates absorption of drug compartments, eliment and Influencing factolerance, resistant etc.), pharmogener | or e atio gs a mir cto ace | ffects and internationships, side effect of influencing faration of active in the constant of | al signaling et and toxion ctors, pro- ngredients equences of resistance | g pathways, c effect, drugein binding excretion, large frepeated ce, allergy de | modes ang kinetics, and distroiotransfo drug admivelopmen | d forms, dose and types and sites of ibution of drugs, rmation forms nistration | | |
| Institutions | WE14 | | | | | | | | |

| Special Virology II | | | | | | | | |
|---------------------|---|---|--|------------------------------|------------------------------|--|--|--|
| Course No. | 08251 | Semester | 6 | | | | | |
| Format | Lectures | ECTS-Credits | 1,0 | SWS | 1,0 | | | |
| Course contents | The lecture series "S domestic, pet and w viruses cause chang diagnoses are possil swine fever, will be o | vild animals. In an oges ges in different orga ble. In addition, cu | organ-based appro ns (pathogenesis) | ach, student and which di | s learn which ifferential | | | |
| Institutions | WEo ₅ | | | | | | | |

| Virological Exercises | | | | | | | | | |
|-----------------------|---|--|-----------------|----------------|-----------------|--|--|--|--|
| Course No. | 08253 | Semester | 6 | | | | | | |
| Format | Exercise | ECTS-Credits | 1,0 | SWS | 1,0 | | | | |
| Course contents | In the virology inter | · · | | | | | | | |
| | | diagnostics. These include direct and indirect detection methods, such as the ELISA, the | | | | | | | |
| | HA test, the HA inhibition test, the plaque test and quantitative (real-time) PCR. After an | | | | | | | | |
| | introduction to viru | | | | | | | | |
| | themselves in small | | | | | | | | |
| | their results. In add | ition, important top | ics such as the | preparation of | samples and the | | | | |
| | prevention of contain | mination are addres | sed. | | | | | | |
| Institutions | WE05 | | | | | | | | |





| Special Bacteriology and Mycology | | | | | | | | | | |
|-----------------------------------|---|----------------------|-------------|----------|---------|--|--|--|--|--|
| Course No. | 08352 | Semester | 6 | | | | | | | |
| Format | Lectures | ECTS-Credits | 1,0 | SWS | 1,0 | | | | | |
| Course contents | Students can | | | | | | | | | |
| | - Taxonomic classific | | | ogen pro | perties | | | | | |
| | - Explaining the pathogenesis of infectious diseases | | | | | | | | | |
| | - explain the symptor | ms of infectious dis | eases | | | | | | | |
| | - define the habitats | | | | | | | | | |
| | - explain relevant dia | _ | | | | | | | | |
| | - specific therapy and | | | | | | | | | |
| | - explain infectious epidemiological aspects of the respective infectious disease | | | | | | | | | |
| | (reservoirs, prevalenc | es, transmission ro | utes, etc.) | | | | | | | |
| Institutions | WE07 | | | | | | | | | |

| Bacteriology ar | nd Mycology (pra | cti | cal course) | | | | |
|-----------------|--|---|--|---|--|---|--|
| Course No. | 08354 | | Semester | 6 | | | |
| Format | Exercise | | ECTS-Credits | 2,0 |) | SWS | 2,0 |
| Course contents | Protective measure materials for bacter Conducting an exapathogens, micros examination; micros bacterial genera in means of polymera for the detection of some biochemic Detection of colon of Salmonella; micros importance, with stheir vegetative and molecular biologic virulence factors. | riol imin cop osco vet ase f gr ies rose pec d ge | ogical examination action including by in bacteriology opic imaging and crimary medicing chain reaction a coup-specific polocatures for spectosuspected of Sal copic representatial consideration enerative reprodes | on. preparati y, technique c; molecu nd DNA-E ysaccharic cies differe monella b tion of sh n of the pouction str | ion of an antilue and object of represental lar biological DNA hybridizade antigen in entiation in the y means of proot and filam ossibilities of cuctures; cultures; cultures | piogram o ives of cul tives of the diagnostic ation; prec streptocod e family E olyvalent s entous ful differentia ire of mus | f isolated tural e most important cs of bacteria by cipitation reaction cci; Identification nterobacteriaceae; sera; phage typing ngi of veterinary tion by assessing chrooms; |
| Institutions | WE07 | | | | | | |

| Parasitological Exercises | | | | | | | | | | |
|---------------------------|---|---------------------------|---|---------------------------------|--------------------------|-----------------------|---|--|--|--|
| Course No. | 08651 | | Semester | 6 | | | | | | |
| Format | Exercise | | ECTS-Credits | 2,0 | | SWS | 2,0 | | | |
| Course contents | Educational objecti Acquisition of in-de- importance and the Deepening knowled significance, therap Course contents: The most importan parasitology, i.e. pr | ept eir dge by a | h knowledge of t developmental st e of their epidem and control. athogens in vete | ages, including iology, pathogo | g their of enesis, of | detection clinic, dia | techniques. gnosis, zoonotic ctive subfields of | | | |
| Institutions | WE13 | | | | | | | | | |

| Clinical Laboratory Diagnostics | | | | | | | | |
|---------------------------------|----------|--------------|-----|--|-----|-----|--|--|
| Course No. | 08953 | Semester | 6 | | | | | |
| Format | Exercise | ECTS-Credits | 2,0 | | SWS | 2,0 | | |
| Course contents | | | | | | | | |
| Institutions | WE20 | | | | | | | |

Food Hygiene I





| Course No. | 08400 | Semester | 6 | | |
|-----------------|--|---|---|---------------------|-----|
| Format | Lectures | ECTS-Cred | dits 1,0 | SWS | 1,0 |
| Course contents | Introduction to the Continuation of the Preparation for the Residues/contament Chemical testing Students will be abeneated the Explain the princent explain the basics reproduction of mention provide an overvinent. | the curriculum he "Food Testin in ants in food g of foodstuffs ble to ciples of food sais of food micronicroorganisms) iew of the healt | on "Bacteriology of and Technolog fety biology (influence | ees on the survival | |
| Institutions | WEo8 | • | | | |

| Special Pathology with Exercises (lecture) | | | | | | | | | |
|--|--------------------|--|------------|-----|----------|--|--|--|--|
| Course No. | 08601a | Semester | 6 | | | | | | |
| Format | Lectures | ECTS-Credits | 1,2 | SWS | 1,2 | | | | |
| Course contents | reproduction of mi | ples of food safety of food microbiolog | , , | | eath and | | | | |
| | • | - Explain the basics of food spoilage | | | | | | | |
| Institutions | WE12 | | | | | | | | |

| Special Pathology with Exercises (practice) | | | | | | | | | |
|---|---|---|----------------|-------------------|------------------|--|--|--|--|
| Course No. | 08602a | Semester | 6 | | | | | | |
| Format | Exercise | ECTS-Credits | 0,5 | SWS | 0,5 | | | | |
| Course contents | U | handle infectious san | • | | | | | | |
| | - Learning simple conventional and molecular methods of bacteriological and | | | | | | | | |
| | mycological infecti | on diagnostics | | | | | | | |
| | Learning working | techniques that are | necessary whe | n dealing with i | nfectious agents | | | | |
| | - infectiological cas | se descriptions, differ | ent strategies | for the diagnosis | s of different | | | | |
| | pathogens relevant | pathogens relevant to veterinary medicine | | | | | | | |
| Institutions | WE12 | | | | | | | | |

| Dairy Hygiene | | | | | | | | |
|-----------------|----------|--------------|-----|-----|-----|--|--|--|
| Course No. | 08410 | Semester | 6 | | | | | |
| Format | Lectures | ECTS-Credits | 2,0 | SWS | 2,0 | | | |
| Course contents | | | | | | | | |
| Institutions | WEo8 | | | | | | | |

| Meat Hygiene I | | | | | | | | | |
|-----------------|---|--------------|-----|-----|-----|--|--|--|--|
| Course No. | 08450 | Semester | 6 | | | | | | |
| Format | Lectures | ECTS-Credits | 1,0 | SWS | 1,0 | | | | |
| Course contents | Overview of vertical and horizontal operations in the food chains | | | | | | | | |
| Institutions | WE09 | | | | | | | | |

| Organ Block 2: Gynaecology / Andrology (OZL) | | | | | | | | | |
|--|---|----------------------|----------------------|-----------|------------|--|--|--|--|
| Course No. | 088802 | Semester | 6 | | | | | | |
| Format | Lectures | ECTS-Credits | 2,0 | SWS | 2,1 | | | | |
| Course contents | - Students are aware of the physiological and pathological aspects of the action of sex | | | | | | | | |
| | hormones/sexual cyc | ele in male and fema | le animals of differ | ent anima | l species. | | | | |





| | Students are able to examine and assess female and male animals with regard to their sexual health, breeding suitability and udder health. Aspects relating to animal welfare, food hygiene and economic efficiency also play a role here. Students are able to recognise and assess reproductive diseases and disorders and to carry out the right therapeutic measures. This includes, among other things, aspects of infertility, pregnancy, obstetric issues and neonatology. |
|--------------|--|
| Institutions | WE18 |

| Organ Block 3: Gastro (OZL) | | | | | | | | |
|-----------------------------|---------------------|---|------------------|-----------------|---------------------|--|--|--|
| Course No. | 088803 | Semester | 6 | | | | | |
| Format | Lectures | ECTS-Credits | 2,5 | SWS | 2,7 | | | |
| Course contents | The block encompa | asses a network of th | e specialties of | internal medici | ne, surgery (horse, | | | |
| | ruminants, pigs, sr | ruminants, pigs, small animals) and pathology regarding the gastrointestinal tract. | | | | | | |
| Institutions | WE17 | | | | | | | |

| Organ Block 4: Liver (OZL) | | | | | | | | | |
|----------------------------|----------------------|--|---------------------|----------------|------------|------------|------------------------|--|--|
| Course No. | 088804 | | Semester | 6 | | | | | |
| Format | Lectures | | ECTS-Credits | 0,8 | | SWS | 0,6 | | |
| Course contents | - Students should | knc | ow and understar | d the causes | and path | omechan | isms of liver and | | |
| | pancreas diseases i | n c | lifferent animal s | pecies. | | | | | |
| | - The students sho | uld | be able to know | apply and e | valuate th | e diagnos | stic possibilities for | | |
| | differentiating dise | ase | es of the liver and | pancreas in | different | animal sp | pecies. | | |
| | - Students should I | knc | ow and understar | id causative a | agents of | infectious | s liver and | | |
| | pancreatic diseases | ar | nd ways of diagno | sis/detection | າ. | | | | |
| | - With knowledge | of t | he causes and th | eir possible o | diagnostic | s, the stu | dents should | | |
| | develop therapy pla | ans | and, if necessary | , therapies. s | strategies | for proph | ıylaxis. | | |
| | A detailed descript | A detailed description of the learning content can be found in the Learning Objectives | | | | | | | |
| | Catalogue. | | | | | | | | |
| Institutions | WE12 | | | | | | | | |

| Organ Block 5: Kidney (OZL) | | | | | | | | | |
|-----------------------------|----------------------|--|------------------|--------------------|-----------------|--|--|--|--|
| Course No. | 088805 | Semester | 6 | | | | | | |
| Format | Lectures | ECTS-Credits | 0,5 | SWS | 0,4 | | | | |
| Course contents | - Students should u | nderstand the stru | cture and fund | tion of the kidney | and the urinary | | | | |
| | tract | | | | | | | | |
| | - Students should ex | - Students should explain how to control kidney function | | | | | | | |
| | - Students should d | escribe the examin | ation of the kid | dneys and urinary | tract | | | | |
| | - Students should ex | xplain the morpho | logical changes | s and dysfunction | s of the kidney | | | | |
| | and urinary tract | | | | | | | | |
| | - Students should b | e able to recognize | and assess the | e most important | clinical | | | | |
| | manifestations of di | | | | | | | | |
| | - Students should b | e able to apply nec | essary treatme | nts | | | | | |
| Institutions | WE02 | | | | | | | | |

| Organ Block 6: | nn Block 6: Respiratory tract (OZL) | | | | | | | | | |
|-----------------|---|---|---|--|---------------------------------|------------|---------------|--|--|--|
| Course No. | 088807 | | Semester | 6 | | | | | | |
| Format | Lectures | | ECTS-Credits | 0,7 | SWS | 1,1 | | | | |
| Course contents | Students should diseases of the diff The students sho differentiating resp Students should ways to diagnose t Students should their knowledge of | ere ould oira kno her be | ent animal species I be able to know tory diseases of tow ow and understar m. able to develop tl | s. , apply and ev he different a nd infectious a herapy/prophy | aluate the diagnorimal species. | ostic poss | sibilities of | | | |





| Institutions | WE17 |
|--------------|------|
|--------------|------|

| Organ Block 8: Circulation (OZL) | | | | | | | | |
|----------------------------------|--|--------------|-----|-----|-----|--|--|--|
| Course No. | 088808 | Semester | 6 | | | | | |
| Format | Lectures | ECTS-Credits | 1,0 | SWS | 0,7 | | | |
| Course contents | Students should know and understand the causes and pathomechanisms of cardiovascular diseases in different animal species. The students should be able to know, apply and evaluate the diagnostic possibilities of differentiating between cardiovascular diseases of the different animal species. Students should know and understand cardiac infectious agents and ways to diagnose them. Students should be able to develop therapy/prophylaxis plans and strategies based on their knowledge of causes and diagnostic options. | | | | | | | |
| Institutions | WE17 | _ | · | | | | | |
| | | | | | | | | |
| Course No. | 99996 | Semester | 6 | | | | | |
| Format | Seminars | ECTS-Credits | 4,0 | SWS | 4,0 | | | |
| Course contents | | | | | | | | |
| Institutions | WE02 | | | | | | | |

| Cross-sectional teaching: Interdisciplinary Case Work | | | | | | | |
|---|---|--|--|---|---------------------------------|--|--|
| Course No. | 08817 | Semester | 6 | | | | |
| Format | Seminars | ECTS-Credits | 4,0 | SWS | 4,0 | | |
| Course contents | Using a blended leastudies from the braining. They are Discussion rounds and interdisciplinal | road field of veteri provided at the on in presence comp | nary medicine. (Iline platform Q Iement and dee | Cases strengthen uerVet for self-guepen the theoretics | interdisiplinary ided learning. | | |
| Institutions | WE17 | | | | | | |

| Clinical Case Work - Small animals and pets | | | | | | | | | |
|---|--|-------------------------------------|---|---|--|--|---|--|--|
| Course No. | 08950 | | Semester | 6 | | | | | |
| Format | Exercise | | ECTS-Credits | 2,0 | | SWS | 2,0 | | |
| Course contents | Presentation and in internal, dermatolo diseases; problem-reports On the basis of a la oriented case proceclinical examination plan, evaluation of | ogio ori argo essi n, p | cal, oncological, nented case processe number of clinicing including ana preparation of a p | eurological, ssing; Prepar cal cases, the mnesis and roblem list, | surgical a ration of p student s clinical ex differentia | nd ophthroblem-obl | arn the problem- n (anamnesis and ses, diagnostic | | |
| Institutions | WE20 | | | | | | | | |

| Clinical Case Work - Farm Anmimals | | | | | | | | | |
|------------------------------------|---|--|--|---|---|--|--|--|--|
| Course No. | 08851 | Semester | 6 | | | | | | |
| Format | Exercise | ECTS-Credit | s 2,0 | SWS | 2,0 | | | | |
| Course contents | Demonstration of or reproductive disord. The students are ab (ruminant or pig) b further investigation a prognosis, taking preventive measures. | ders (pigs) and ca ble to draw up a co pased on the find ons that contributed g into account eco | se studies of herd differential diagno- ings of the clinical te to the concretiza onomic aspects, ar | diseases sis list for a sick examination. Th ation of the diag | farm animal ney can name nosis and can give | | | | |
| Institutions | WE18 | | | | | | | | |





| Clinical Case W | /ork - Equine | | | | | | | |
|-----------------|--|-------------------------------------|--|---|---|--|--|--|
| Course No. | 08800 | | Semester | (| 6 | | | |
| Format | Exercise | | ECTS-Credits | | 2,0 | | SWS | 2,0 |
| Course contents | As part of this exer interesting orthops are examined by st case is then preser should be as intera another 10 minute the clinical leading findings result from 6th semester | aed udo iteo ictiv s an | ic, surgical, interents in groups of I to the semester we as possible and re available. The amptom and to we | nal m 2-3 0 in a p d invi- aim is ork ou | nedicine or examinoresenta te people on to so | or reproduction fir tion of all the to think start from the students | ductive madings are pout 20 n c/discuss the diags how to | edical conditions e provided and the ninutes. This with us, for which mosis, but from proceed and what |
| Institutions | WE17 | | | | | | | |



6.2.2 Courses of the 4th Year

| EU Regulations on Veterinary Medicinal Products, Controlled Substances, and | | | | | | | |
|---|----------------|--------------|-----|-----|-----|--|--|
| Medicated Fee | Medicated Feed | | | | | | |
| Course No. | 08710 | Semester | 7 | | | | |
| Format | Lectures | ECTS-Credits | 2,0 | SWS | 2,0 | | |
| Course contents Introduction to European and German veterinary medicines law, special features of the use, prescription and dispensing of medicinal products for food-producing animals, BTM Act, BTMVV, prescriptions of medicinal products (prakt. Exercise) | | | | | | | |
| Institutions | WE14 | | | | | | |

| Galenics (practical course) | | | | | | | | |
|-----------------------------|---|---|-----------------|---------------|-----|--|--|--|
| Course No. | 08711 | Semester | 7 | | | | | |
| Format | Exercise | ECTS-Credits | 1,0 | SWS | 1,0 | | | |
| Course contents | Basic knowledge o Labelling of medic medicinal products Prescription of dru | inal products - Cal according to the M | culation of the | maximum dispe | 0 1 | | | |
| Institutions | WE14 | | | | | | | |

| Clinical Radiology II | | | | | | | | |
|-----------------------|--|------------------------|-----------------|------------------|-----------|--|--|--|
| Course No. | 08975 | Semester | 7 | | | | | |
| Format | Lectures | ECTS-Credits | 2,0 | SWS | 2,0 | | | |
| Course contents | This lecture deals w reporting. Based or anatomy are explain | n the distal limb of t | he horse, stand | lard projections | and X-ray | | | |
| Institutions | WE17 | | | | | | | |

| Animal Epizootic Control I | | | | | | | | | | |
|----------------------------|---|---------------------|------------------|-------------------|-----------------|--|--|--|--|--|
| Course No. | 08360 | Semester | 7 | | | | | | | |
| Format | Lectures | ECTS-Credits | 1,0 | SWS | 1,0 | | | | | |
| Course contents | Students will be able to: | | | | | | | | | |
| | - Explain the objectives, strategies and methods of animal disease control | | | | | | | | | |
| | - reproduce and explain the content of the relevant animal health regulations (Animal | | | | | | | | | |
| | Diseases Act, Livestock Traffic Ordinance, Animal Vaccine Ordinance, Pig Husbandry | | | | | | | | | |
| | Hygiene Ordinance) | | | | | | | | | |
| | - Identify national a | and supranational | databases and da | ata collection in | the context of | | | | | |
| | animal disease cont | trol and explain th | eir functions | | | | | | | |
| | - Designate nationa | al and supranation | al bodies and bo | dies in the conte | ext of animal | | | | | |
| | disease control and | explain their tasks | 5 | | | | | | | |
| | - Evaluation of resea | arch and control o | f animal disease | s in animal popu | ulations on the | | | | | |
| | basis of infection ep | oidemiological ind | icators | | | | | | | |
| Institutions | WE07 | | | | | | | | | |

| Anesthesia & Intensive Care Block Course | | | | | | | | | |
|--|---------------------|---|--------------|-----|--|-----|-----|--|--|
| Course No. | 088819 | | Semester | 7 | | | | | |
| Format | Exercise | | ECTS-Credits | 1,5 | | SWS | 1,5 | | |
| Course contents | In the block course | | 011 | | | | | | |
| | applied and deeper | applied and deepened at several practical stations. The work is done in small groups. | | | | | | | |
| Institutions | WE17 | | | | | | | | |

Anaesthesia and Pain Management





| Course No. | 08813 | Semester | 7 | | | | | | |
|-----------------|-------------------------------|--|-----|-----|-----|--|--|--|--|
| Format | Lectures | ECTS-Credits | 1,0 | SWS | 1,0 | | | | |
| Course contents | This lecture deals w species. | This lecture deals with the topic of anesthesia and pain management in all animal species. | | | | | | | |
| Institutions | WE17 | | | | | | | | |

| Food Science – Practical Course I | | | | | | | | |
|-----------------------------------|---|--|--------------|-----|-----|--|--|--|
| Course No. | 08402 | Semester | 7 | | | | | |
| Format | Exercise | ECTS-Credits | 2,0 | SWS | 2,0 | | | |
| Course contents | Carrying out general microbiology I, and Practical examination medications. other | l II, histology, senso on of food, vegetari | ory analysis | • | · | | | |
| Institutions | WEo8 | | | | | | | |

| Food Science | | | | | | | | | |
|-----------------|---|--------------|-----|-----|-----|--|--|--|--|
| Course No. | 08401 | Semester | 7 | | | | | | |
| Format | Lectures | ECTS-Credits | 2,0 | SWS | 2,0 | | | | |
| Course contents | This lecture provides an overview of food preservation as well as the various effects of microbiological factors on food intoxication and food spoilage | | | | | | | | |
| Institutions | WEo8 | | | | | | | | |

| Special Pathology with Exercises (practice) | | | | | | | | |
|---|----------------------|-----------------------|-------------------|-------------------|-----------|--|--|--|
| Course No. | 08602 | Semester | 7 | | | | | |
| Format | Exercise | ECTS-Credits | 0,5 | SWS | 0,5 | | | |
| Course contents | Preparation of path | nological-anatomica | al diagnoses and | differential diag | noses and | | | |
| | epicritical assessme | ent of the etiology a | and relevance wit | th regard to the | clinic | | | |
| Institutions | WE12 | | | | | | | |

| Pathologic-Anatomical Demonstrations I | | | | | | | | |
|--|--|--|--------------|-----|--|-----|-----|--|
| Course No. | 08605 | | Semester | 7 | | | | |
| Format | Exercise | | ECTS-Credits | 1,0 | | SWS | 1,0 | |
| Course contents | Preparation of path epicritical assessme | | | | | | | |
| Institutions | WE12 | | | | | | | |

| Special Pathology with Exercises (lecture) | | | | | | | | |
|--|--|--|--------------|-----|--|-----|-----|--|
| Course No. | 08601 | | Semester | 7 | | | | |
| Format | Lectures | | ECTS-Credits | 1,2 | | SWS | 1,2 | |
| Course contents | Preparation of pathological-anatomical diagnoses and differential diagnoses and epicritical assessment of the etiology and relevance with regard to the clinic | | | | | | | |
| Institutions | WE12 | | | | | | | |

| Dairy Analysis – Practical Course | | | | | | | | |
|-----------------------------------|--|------------------------|-----------------|--------------------|--------|--|--|--|
| Course No. | 08411 | Semester | 7 | | | | | |
| Format | Exercise | ECTS-Credits | 2,0 | SWS | 2,0 | | | |
| Course contents | Demonstration or implementation of corresponding practical exercises under | | | | | | | |
| | supervision. e.g. determination and assessment of milk quality, product training/sensory | | | | | | | |
| | analysis of milk, dai | iry products, butter : | and cheese. | | | | | |
| | Preparation of a rep | ort, diagnosis and e | evaluation of m | nilk and dairy pro | oducts | | | |
| Institutions | WEo8 | | | | | | | |

Meat Hygiene II





| Course No. | 08453 | Semester | 7 | | |
|-----------------|-----------------------------------|----------------------|-----------------|-----------------|------------------|
| Format | Lectures | ECTS-Credits | 2,0 | SWS | 2,0 |
| Course contents | A detailed description Catalogue. | n of the learning co | ontent can be f | ound in the Lea | rning Objectives |
| Institutions | WEo8 | | | | |

| Organ Block 6: Birth (OZL) | | | | | | | | |
|----------------------------|----------|--------------|-----|-----|-----|--|--|--|
| Course No. | 088806 | Semester | 7 | | | | | |
| Format | Lectures | ECTS-Credits | 2,4 | SWS | 2,4 | | | |
| Course contents | | | | | | | | |
| Institutions | WE18 | | | | | | | |

| Organ Block 9: Blood (OZL) | | | | | | | | | | |
|----------------------------|---|--------------------------------|---|---|--|--------------------------------------|------------------|--|--|--|
| Course No. | 088809 | | Semester | 7 | | | | | | |
| Format | Lectures | | ECTS-Credits | 1,4 | | SWS | 1,4 | | | |
| Course contents | - Students should I vascular diseases at - Students should I differentiating betv - Students should I hematopoietic syst | nd be a wee kno em | neoplasms of the able to know, app on anaemia and h ow and understar and ways to diaş | e hematopoie oly and evalu ematopoietion and infectious gnose them. | etic organ ate the dia c neoplasi agents in | s. agnostic p ms. the blood | possibilities of | | | |
| | Students should be able to develop therapy/prophylaxis plans and strategies based on their knowledge of causes and diagnostic options. A detailed description of the learning content can be found in the Learning Objectives Catalogue. | | | | | | | | | |
| Institutions | WE12 | | | | | | | | | |

| Organ Block 10: Movement (OZL) | | | | | | | | |
|--------------------------------|---------------------|------------|-------------------|-----------------|--------|-----------|------------------|--|
| Course No. | 088810 | | Semester | 7 | | | | |
| Format | Lectures | | ECTS-Credits | 2,0 | | SWS | 2,0 | |
| Course contents | A detailed descript | ion | of the learning o | ontent can be f | ound i | n the Lea | rning Objectives | |
| | Catalogue. | Catalogue. | | | | | | |
| Institutions | WE17 | | | | | | | |

| Cross-sectional teaching: Interdisciplinary Case Work | | | | | | | | |
|---|---------------------|-----------------------|------------------|------------------|-----------------|--|--|--|
| Course No. | 08777 | Semester | 7 | | | | | |
| Format | Seminars | ECTS-Credits | 4,0 | SWS | 4,0 | | | |
| Course contents | A detailed descript | ion of the learning o | content can be f | ound in the Lear | ning Objectives | | | |
| | Catalogue. | Catalogue. | | | | | | |
| Institutions | WE16 | | | | | | | |

| Clinical Case W | Clinical Case Work - Small and Pet Animals | | | | | | | | |
|-----------------|---|-------------------------------------|---|---|---|--------------------------------------|--|--|--|
| Course No. | 08951 | | Semester | 7 | | | | | |
| Format | Exercise | | ECTS-Credits | 2,0 | | SWS | 2,0 | | |
| Course contents | Presentation and in internal, dermatolo diseases; problemore reports On the basis of a la oriented case proceclinical examination plan, evaluation of | ogio ori argo essi n, p | cal, oncological, rented case proce enumber of cliniing including anapreparation of a p | neurological, s ssing; Prepara cal cases, the amnesis and c problem list, d | surgical a ation of p student s linical ex ifferentia | ind ophthroblem-coshould leadingtion | aralmological priented medical priented medical priented medical prient in the problem-in (anamnesis and ses, diagnostic | | |
| Institutions | WE20 | | | | | | , | | |





| Clinical and Herd Health Case Presentations in Ruminants, Camelids and Pigs | | | | | | | |
|---|--|----------------------|-----------------|---------------|-----|--|--|
| Course No. | 08852 | Semester | 7 | | | | |
| Format | Exercise | ECTS-Credits | 1,0 | SWS | 2,0 | | |
| Course contents | As part of the cours internal and surgica presented and work | al diseases and repr | oductive medici | ine and udder | | | |
| Institutions | WE18 | | | | | | |

| Clinical Case W | Clinical Case Work II - Equine | | | | | | | | |
|-----------------|--------------------------------|--|---|--|--|--|--|--|--|
| Course No. | 08801 | Semester | 7 | | | | | | |
| Format | Exercise | ECTS-Credits | 2,0 | SWS | 2,0 | | | | |
| Course contents | particularly interest | ictures are examine ed and the case is the | orgical, internal d by students in hen presented to de as interactive another 15 min he clinical leadifindings result | medicine or repring groups of 3 or 6 to the semester in the se | examination on a presentation of d invite people to e. The aim is not I to work out by | | | | |
| Institutions | WE17 | | | | | | | | |

| Clinical Coaching (EVC) | | | | | | | | |
|-------------------------|--|--|--|---|---|--|--|--|
| Course No. | 08997 | Semester | 7 | | | | | |
| Format | Exercise | ECTS-Credits | 1,0 | SWS | 1,0 | | | |
| Course contents | In the 'general coad specifically trained. The completion of | ng course entitled (il of three blocks "Er ching course', comn . These skills are tau this block is a mand g' and 'Emergency I | mergency Medi nunicative, dida ght to students latory prerequis | icine and Coachin actic and leadersh s in practical exer site for participat | ng Course": nip skills are cises. | | | |
| Institutions | WE05 | | | | | | | |

| Forensic Veteri | nary Medicine | | | | | | | |
|-----------------|-----------------------|--|---------------------|-------------------|-----------------------|--|--|--|
| Course No. | 08815 | Semester | 8 | | | | | |
| Format | Lectures | ECTS-Credits | 2,0 | SWS | 2,0 | | | |
| Course contents | - Introduction to t | he basics of jurispr | udence; | | | | | |
| | - Veterinarian in co | ourt; | | | | | | |
| | - Veterinary certific | cates, protocols, ex | pert opinions; In | troduction to th | e Civil Code; | | | |
| | - General Sales Lav | w; | | | | | | |
| | - Purchase of anim | nals, sale of consur | ner goods, other | purchase of hors | ses, special law on | | | |
| | the sale of animals | in the trade in far | m animals; | | | | | |
| | - General liability l | aw; | | | | | | |
| | - Special Liability L | aw for Veterinaria | ns, Legal Liability | , Contractual Lia | ability; contract for | | | |
| | work; Contract of 6 | employment; | | | | | | |
| | - Terms & Condition | ons; | | | | | | |
| | - Purchase examin | ation; General and | special due dilig | gence (injection, | infusion, rectal | | | |
| | examination, colic, | · · | <i>''</i> | | | | | |
| | - Liability cases in | • | professional ind | emnity insuranc | ce, liability | | | |
| | veterinarian/blacks | The second secon | | | | | | |
| | , | - Medicines Act (repurposing, therapy emergency), equine passport, animal insurance; | | | | | | |
| | - Animal Welfare L | aw, Doping, Eutha | ınasia, Veterinary | / Fee Schedule (C | GOT) | | | |
| Institutions | WE18 | | | | | | | |





| Lecture on Lab | oratory Animal S | Laboratory Animal Science | | | | | | | | |
|-----------------|--|---|--|---|-------|-----|-----|--|--|--|
| Course No. | 08560 | | Semester | 8 | | | | | | |
| Format | Lectures | | ECTS-Credits | 1,0 | | SWS | 1,0 | | | |
| Course contents | - Legislation relevance EC 1/2005, Directive - Husbandry and head of the limport and expound of the limport and expound of the limport and expound of the limport and limport of the limpo | ve 6 nygi rt o ies nnsg logy tt, ra nin ani | 3/2010 EU, ETS 1 ene of laboratory f laboratory anim genic mouse lines y and biology of t abbit, pig, chicked reatment nal welfare-friend mal models in bi | y animals als s the most common y killing methods omedical research | nly u | | | | | |
| Institutions | WE11 | | | | | | | | | |

| Animal Disease | Animal Disease Control II | | | | | | | | |
|-----------------|--|--|---|----------------|-----|--|--|--|--|
| Course No. | 08361 | Semester | 8 | | | | | | |
| Format | Lectures | ECTS-Credits | 2,0 | SWS | 2,0 | | | | |
| Course contents | Explain the content diseasesExplain the characteristicsExplain the characteristics | le to able and notifiable and notifiable and purpose of recteristics (etiology, pose animal diseases thand cons of control pand co | gulations adopt athogenesis, in at are relevant t | fection epidem | | | | | |
| Institutions | WE07 | | | | | | | | |

| Diseases of Reptiles, Amphibians and Pets | | | | | | | |
|---|---|-----------------------------------|--|--|--|--|--|
| Course No. | 08962 Semester 8 | | | | | | |
| Format | Lectures | Lectures ECTS-Credits 1,0 SWS 1,0 | | | | | |
| Course contents | | ork of the module le | | | | | |
| | important diseases of reptiles, amphibians and fish in a practical way. | | | | | | |
| Institutions | WE20 | | | | | | |

| Diseases of Be | Diseases of Bees and Fish | | | | | | | | |
|-----------------|---|--|---|--|--|--|--|--|--|
| Course No. | 08963 | Semester | 8 | | | | | | |
| Format | Lectures | ECTS-Credits | 1,0 | SWS | 1,0 | | | | |
| Course contents | biology based on t Based on this and microbiology and a provided. The focu relevant to official | terinary medicine are heir knowledge of ge equipped with the kranimal disease theory is is on the diseases the eyed in a practical way | neral zoology. nowledge of geno , an overview of hat are relevant ontext of the de | eral parasitolo the diseases of in practice. leg | gy, as well as of honey bees is gal provisions | | | | |
| Institutions | WE03 | | | | | | | | |

| General Ophth | General Ophthalmology (V) | | | | | | |
|----------------------|---------------------------|--------------|-----|---------|--|--|--|
| Course No. | 08954 | Semester | 8 | | | | |
| Format | Exercise | ECTS-Credits | 2,0 | SWS 2,0 | | | |





Cross-species knowledge in the field of general ophthalmology including ophthalmological diagnostics, problem-oriented case processing and diagnosis, therapy and surgery of eye diseases.

Diseases of the orbit, eyelids, conjunctiva, nictitating membrane, cornea, anterior chamber of the eye, lens, vitreous and retina, bulb, uveitis and glaucoma, neurophthalmology.

Institutions

WE20

| Practical Course Food Hygiene II | | | | | | | | | |
|----------------------------------|----------|--|-------------------|-----|-----|--|--|--|--|
| Course No. | 08403 | Semester | 8 | | | | | | |
| Format | Exercise | ECTS-Credits | 2,0 | SWS | 2,0 | | | | |
| Course contents | | al and special invest d cooked sausages, and plant-based foc | eggs and delicate | • | 0 , | | | | |
| Institutions | WEo8 | | | | | | | | |

| Special Pathology with Exercises (practice) | | | | | | | | | | |
|---|---------------------|------------|-------------------|-----------------|---------|-----------|------------------|--|--|--|
| Course No. | 08602C | | Semester | 8 | | | | | | |
| Format | Exercise | | ECTS-Credits | 0,5 | | SWS | 0,5 | | | |
| Course contents | A detailed descript | ion | of the learning o | ontent can be t | found i | n the Lea | rning Objectives | | | |
| | Catalogue. | Catalogue. | | | | | | | | |
| Institutions | WE12 | | | | | | | | | |

| Pathologic-Anatomical Demonstrations II | | | | | | | | | | |
|---|--|------------|--------------|-----|--|-----|-----|--|--|--|
| Course No. | 08606 | | Semester | 8 | | | | | | |
| Format | Exercise | | ECTS-Credits | 1,0 | | SWS | 1,0 | | | |
| Course contents | A detailed description of the learning content can be found in the Learning Objectives | | | | | | | | | |
| | Catalogue. | Catalogue. | | | | | | | | |
| Institutions | WE12 | | | | | | | | | |

| Special Pathology with Exercises (lecture) | | | | | | | | | | |
|--|---------------------|------------|------------------|------------------|--------|-----------|------------------|--|--|--|
| Course No. | 08601C | S | emester | 8 | | | | | | |
| Format | Lectures | Е | CTS-Credits | 1,2 | | SWS | 1,2 | | | |
| Course contents | A detailed descript | ion of | f the learning o | content can be f | ound i | n the Lea | rning Objectives | | | |
| | Catalogue. | Catalogue. | | | | | | | | |
| Institutions | WE12 | | | | | | | | | |

| Practical Course Meat Hygiene and Inspection | | | | | | | | | |
|--|----------|--------------|-----|--|-----|-----|--|--|--|
| Course No. | 08452 | Semester | 8 | | | | | | |
| Format | Exercise | ECTS-Credits | 3,0 | | SWS | 3,0 | | | |
| Course contents | | | | | | | | | |
| Institutions | WEo8 | | | | | | | | |

| Poultry Diseases | | | | | | | | | | |
|------------------|-----------------------|---|------------------------------------|-------------------------------------|-----------------------------|--|--|--|--|--|
| Course No. | 08750 | Semester | 8 | | | | | | | |
| Format | Lectures | ECTS-Credits | 2,0 | SWS | 2,0 | | | | | |
| Course contents | addition to the etion | nt, the most importa ology, pathogenesis, andry of poultry and intended to give stud | diagnosis, ther laboratory diag | rapy and prophyl gnostic methods | axis of infectious are also | | | | | |
| Institutions | WE15 | | | | | | | | | |





| Organ Block 11: Nerves (OZL) | | | | | | | | | | |
|------------------------------|------------------------|-----------------------|-----------------|------------------|------------------|--|--|--|--|--|
| Course No. | 088811 | Semester | 8 | | | | | | | |
| Format | Lectures | ECTS-Credits | 1,0 | SWS | 1,0 | | | | | |
| Course contents | A detailed description | on of the learning co | ontent can be f | ound in the Lear | rning Objectives | | | | | |
| | Catalogue. | Catalogue. | | | | | | | | |
| Institutions | WE20 | | | | | | | | | |

| Organ Block 13: Metabolism (OZL) | | | | | | | | | | |
|----------------------------------|---------------------|------------|--------------------|---------------|---------|-----------|------------------|--|--|--|
| Course No. | 088813 | | Semester | 8 | | | | | | |
| Format | Lectures | | ECTS-Credits | 2,0 | | SWS | 1,5 | | | |
| Course contents | A detailed descript | ion | of the learning of | ontent can be | found i | n the Lea | rning Objectives | | | |
| | Catalogue. | Catalogue. | | | | | | | | |
| Institutions | WE18 | | | | | | | | | |

| Organ Block 14: Udder (OZL) | | | | | | | | | | |
|-----------------------------|---|---|---|---|--|--|--|--|--|--|
| Course No. | 088814 | Semester | 8 | | | | | | | |
| Format | Lectures | ECTS-Credits | 1,5 | SWS | 1,1 | | | | | |
| Course contents | The students know hormones/sexual cy - Students are able to sexual health, breed food hygiene and ec - Students are able to carry out the right to infertility, pregnance | vcle in male and fem to examine and asse ling suitability and u conomic efficiency a to recognise and ass herapeutic measure | ale animals of ss female and dder health. A lso play a role ess reproducti s. This include | different animal male animals waspects relating there. ive diseases and among other | I species. ith regard to their to animal welfare, disorders and to | | | | | |
| Institutions | WE18 | | | | | | | | | |

| Organ Block 15: Skin (OZL) | | | | | | | | | |
|----------------------------|---------------------|------------|--------------------|-----------------|--------|-----------|------------------|--|--|
| Course No. | 088815 | | Semester | 8 | | | | | |
| Format | Lectures | | ECTS-Credits | 1,0 | | SWS | 0,8 | | |
| Course contents | A detailed descript | ion | of the learning co | ontent can be f | ound i | n the Lea | rning Objectives | | |
| | Catalogue. | Catalogue. | | | | | | | |
| Institutions | WE12 | | | | | | | | |

| Organ Block 16: System (OZL) | | | | | | | | | | |
|------------------------------|----------------------|--|--------------|-----|--|-----|-----|--|--|--|
| Course No. | 088816 | | Semester | 8 | | | | | | |
| Format | Lectures | | ECTS-Credits | 1,0 | | SWS | 0,6 | | | |
| Course contents | level of level 2 and | The students are able to master the subject matter covered by systemic diseases at the level of level 2 and 3. They can assess the course of the disease and react to it therapeutically or preventively | | | | | | | | |
| Institutions | WE20 | | | | | | | | | |
| Course No. | 99998 | | Semester | 8 | | | | | | |
| Format | Seminars | | ECTS-Credits | 4,0 | | SWS | 4,0 | | | |
| Course contents | | | | | | | | | | |
| Institutions | WE04 | | | | | | | | | |

| Cross-sectional teaching: Interdisciplinary Case Work | | | | | | | | | | |
|---|----------------------|--|-----------------------|----------|------------------|--|--|--|--|--|
| Course No. | 08819 | Semester | 8 | | | | | | | |
| Format | Seminars | ECTS-Credits | 4,0 | SWS | 4,0 | | | | | |
| Course contents | studies from the bro | ring approach, stude bad field of veterinar provided at the online | y medicine. Cases sti | rengthen | interdisiplinary | | | | | |





| | Discussion rounds in presence complement and deepen the theoretical understanding |
|--------------|---|
| | and interdisciplinary problem-solving competencies |
| | The seminar also includes the cross-section of poultry |
| Institutions | WE18 |

| Clinical Case Work - Poultry | | | | | | | | |
|------------------------------|---|--------------|-----|-----|-----|--|--|--|
| Course No. | 08751 | Semester | 8 | | | | | |
| Format | Exercise | ECTS-Credits | 2,0 | SWS | 2,0 | | | |
| Course contents | On the basis of case studies, important ornamental bird, pigeon and poultry diseases as well as their diagnosis, therapy and prophylaxis are explained and discussed. | | | | | | | |
| Institutions | WE15 | | | | | | | |

| Specialist Coaching and Emergency Medicine | | | | | | | | |
|--|---|--|---|--|--|--|--|--|
| Course No. | 08998 | Semester | 8 | | | | | |
| Format | Exercise | ECTS-Credits | 6,0 | SWS | 5,0 | | | |
| Course contents | Medicine with the pemergency medicing The 'Specialist Coacemergency ward. In the 'Emergency in emergency situate based emergency s | preceding Specialist ne in a peer teaching ching' block prepare Medicine' block, har tions are learned an stations. The theoret | ng of the 7th semeste Coaching imparts ba 3 concept. s students for the role ads-on skills as well as d deepened using 16 ical preparation for th modules via tet.folio. | sic knowled of a coad of a | edge and skills of ch at a specific n-making processes scies and model- | | | |
| Institutions | WE03 | | | | | | | |



6.2.3 Courses of the 5th Year

| Final clinical rotation – Pathology | | | | | | | | |
|-------------------------------------|--|---|---|--|---------------------------------------|--|--|--|
| Course No. | 08609 | Semester | 9 | | | | | |
| Format | Exercise | ECTS Credits | 2,0 | SWS | 4,0 | | | |
| Course contents | The aims of the bas - Problem- and case pathology and path - Teaching the rease - Learning the disse - Getting to know e - Writing own auto - Introduction to bi - Getting to know t | e-oriented teaching ohistology ons, possibilities an ection technique examples of organ a psy reports opsy diagnostics (se he tasks and function | d limitations of pand whole-body controls rivice function foods of an animal | post-mortem of hanges or clinicians or pathology inst | diagnostics for living animals) itute | | | |
| | - Independently prepare and give a problem-oriented presentation in seminar style | | | | | | | |
| Institutions | WE12 | | | | | | | |

| Final clinical Ro | otation – Farm An | nimal Clinic* | | | | | |
|-------------------|--|--|---|---|--|--|--|
| Course No. | 08803 | Semester | 9 | | | | |
| Format | Exercise | ECTS Credit | 24,6 | SWS | 20,0 | | |
| Course contents | Consultation of clin oncological, neurological, neurological, neurological, neurological, neurological, neurological, neurological, neurological exercises Introduction to ane Participation in the laboratory tests); Surgical exercises The student should cases within the frailist of problems, differentiation of a the patient; | nic patients (dog logical, ophthalr case processing; dical reports; Parion of cases in sresthesia; Fundare emergency send practice proble amework of rotal fferential diagnoerapy plan, prog | s, cats, pets, reptile nic and surgical dis ticipation in journa nall groups; X-ray i nentals of sterility a rice (first aid measu m-oriented case pr ional teaching (ana ses, diagnostic pla | es) with internal, seases as part of all clubs; mage interpretaind surgical assiones, taking X-rancessing on the amnesis and clirn, evaluation of | dermatological, clinical rotation; ation; stance; ys, emergency basis of clinical nical examination, findings, | | |
| | emergency management; Practicing simple operations | | | | | | |
| Institutions | WE20 | ' | | | | | |

| Final clinical Ro | otation - Small A | nir | mal Clinic* | | | | |
|-------------------|--|---|--|--|--|--|---|
| Course No. | 08803 | | Semester | 9 | | | |
| Format | Exercise | | ECTS Credits | 24,6 | SW | VS | 20,0 |
| Course contents | for eight weeks. In the first week, r In the following in various structured surgery/orthopaed night and weekend examined by them program focuses of the afternoon sem As part of the rotal as two weeks of or | eprotocol cou lics d se an on w ina | oductive medicinductory week at turses, after which and emergency struces. The clinical presented daily working in the clins, journal clubs at two case presented presented that is, two case presented that is, the interest of the control of the | te on horses in the Equine Classification the students services/anaes patients are additional during the value on special and student contations/med | s taught in Ba inic, students s are divided in sthesia for two distributed to vard rounds. I examinations case presentatical reports mi | ad Saas are into into into into into into the so the so In the is/treations to institute the solutions are solutions. | arow. atroduced through aternal medicines, ks each, including tudents, morning, the tments, while in take place. e prepared as well |
| Institutions | WE18 | | | | | | |





| Final clinical Rotation – Equine Clinic* | | | | | | | | |
|--|--|------|--------------|------|--|-----|------|--|
| Course No. | 08803 | | Semester | 9 | | | | |
| Format | Exercise | | ECTS Credits | 24,6 | | SWS | 20,0 | |
| Course contents | As part of the clinic | | | | | | | |
| | Department, Pig Department, Poultry Department), students are involved in the | | | | | | | |
| | activities of the Farm Animal Hospital, take part in ambulance trips and visit farm animal | | | | | | | |
| | farms as part of herd management. | | | | | | | |
| | Students take part in the clinic's emergency and weekend services. Before practical skills | | | | | | | |
| | are carried out on patients under supervision, the necessary know-how is imparted in | | | | | | | |
| | the clinic's 'Skills La | ab'. | | | | | | |
| Institutions | WE17 | | | | | | | |

^{*} selectable

