

Interdisciplinary Master in Human- Animal Interactions

an der Veterinärmedizinischen Universität Wien Curriculum 2020

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1. General provisions

1.1. Legal basis

The legal basis for the master program „Interdisciplinary Master in Human-Animal Interactions“ is the University Act 2002 (UG 2002) and the Study Law Regulations of the University of Veterinary Medicine, Vienna (Vetmeduni Vienna) in the current applicable version.

1.2. Qualification profile

1.2.1. General qualifications

Vetmeduni Vienna offers a competitive, internationally recognized English-language research-oriented master program that enables students to work in basic and applied research in an academic environment. Furthermore, students are able to work for ministerial or official areas in the relevant natural/medical/veterinary science and humanity disciplines as well as in the private sector environment.

The interdisciplinary master program primarily takes into account the scientific research questions of following disciplines (A-Z ordered): Animal Husbandry, Animal Welfare, Behavioral and Cognitive Biology, Comparative Medicine, Ethics, Neuroscience, Philosophy, Psychology as well as Scientific Theory.

The program is competency-oriented and supports research-based and evidence-based development and expansion of the relevant skills.

Graduates are capable of describing, investigating, analyzing, and shaping human-animal relationships on a scientific basis, in an ethically reflected manner and in different academic and societal contexts.

The curriculum not only provides a well-founded overview of the latest methods and related skills, it also provides the ability to critically reflect on and reason against the background of the changing roles of animals in society and the associated challenges in the area of Human-Animal Interaction (HAI).

Students are involved in team-oriented and independent research in ongoing projects of the involved disciplines. This deepens the competence for independent project formulations, for writing of scientific and/or philosophical papers and for participation in the public scientific discourse.

At the end of the master program, graduates are able to independently plan, carry out experimental and philosophical-ethical works in the field of HAI and to evaluate, publish and present them according to scientific criteria.

1.2.2. Professional fields

Graduates of the master program can work primarily in the following areas:

- Research and/or teaching at universities and other post-secondary educational institutions
- Research institutions in the pharmaceutical and biomedical industry
- NGOs or public institutions with a focus on animal welfare and protection or animal assisted therapy
- Non-university research institutions
- Public and private sector institutions (e.g. ministries, authorities, commissions)
- Managerial functions in facilities with animal husbandry
- Expert activity and science journalism

1.2.3. Qualification profile

Personal skills

- Respect for humans, animals and the environment
- Competent knowledge transfer and effective communication
- Interdisciplinary, analytical, solution-oriented and efficient way of working
- Sense of responsibility, factual behavior
- Correct assessment of decision-making ability
- Cooperation and team skills
- Awareness of own professional competence and limits
- Understanding of the need for life-long learning
-

Professional skills

- Comprehensive knowledge and skills about interdisciplinary approaches and a variety of methods for research and interaction in the field of HAI
- Extensive knowledge of the importance of human and animal behavior for the shaping of the interaction and the associated ethical problems
- Critical assessment of knowledge of methods for measuring attitudes, interactions and their result
- Relevant methodological knowledge (advanced statistics, test planning) and skills (observation, training and test) to independently carry out experiments and to interpret, present and publish the results
- Knowledge to appropriately assess the suitability of animal and human studies from a scientific point of view
- Understanding of the philosophical approaches to HAI and the ability to recognize philosophical questions in existing debates
- Competence to understand and discuss the key issues and content of ethical arguments used in HAI
- Insight into particularly urgent and challenging discussions in HAI that society is currently facing

Scientific skills

- Scientific and critical thinking and problem-solving skills
- Scientific literature: search, analysis, summary
- Ability to present and discuss the own research in an interdisciplinary environment
- Knowledge of the development of scientific studies

Social skills

- Dealing with humans, animals and nature in an ethically reflected way
- Respect for collegiality and equal treatment
- Knowledge of (inter)national guidelines, standards, norms and laws

1.2.4. Internationality

The master program is structured according to international standards. The recognition of adequate study achievements is guaranteed by the application of the European Credit Transfer System (ECTS). The language of instruction is primarily English (in all compulsory courses) and the master thesis is written in English. Some of the elective courses may be offered in German. Elective courses, working in research projects and the master thesis can also be completed at other domestic and foreign universities and research institutions.

1.3. Duration and scope of the program

The master program comprises a total of 4 semesters with courses (compulsory and elective subjects including exams), master thesis and examination totaling 120 ECTS.

1.4. Prerequisite for the admission to the master program

Admission to the master program „Interdisciplinary Master in Human-Animal Interactions“ requires the completion of a subject-related bachelor program at a university, a university of applied sciences, or another equivalent degree from a recognized domestic or foreign post-secondary educational institution to the extent of at least 180 ECTS.

From a technical point of view, all studies at Vetmeduni Vienna as well as all studies in the area of human and natural sciences are eligible.

It is required that applicants whose mother tongue is not English must demonstrate knowledge of the English language according to at least reference level B2 of the Common European Framework of Reference for Languages. Some elective courses may be offered only in German.

2. Forms of instruction and teaching

2.1. Semester hours

The scope of lectures and other courses is specified in semester hours (SWS) and ECTS points. Corresponding to the duration of a semester of 15 weeks, one semester hour corresponds to 15 academic hours of 45 minutes.

2.2. Lesson types

2.2.1. Courses without an immanent examination character

Lectures serve to convey basic concepts and the basic systematics of an area/discipline, to show the scientific or philosophical background, to explain complicated facts, to explain the genesis of research positions, approaches or theories, to create cross-connections and to show the practical relevance.

2.2.2. Courses with an immanent examination character

Conversatoriums (KV) serve to acquire knowledge through suitable and competently conducted discussions, as well as to train the ability to solve problems. Conversatoriums are courses with continuous assessment, in which special emphasis is placed on continuous student cooperation and active participation during the course.

Seminars (SE) are used for scientific discussion. In seminars, the active participation of the students is requested, whereby in small groups, above all, the ability to apply the knowledge to analyze and solve problems is learned. Verbal and/or written contributions are required from the participants. Seminars are courses with continuous assessment.

Exercises (UE) serve to acquire practical skills and special skills with regard to professional and academic careers. Exercises are courses with continuous assessment.

Internships (PR) are the processing of a small sub-area of a scientific question under guidance and supervision, and serve the application-oriented scientific training with regard to one or more specialized areas.

Journal Clubs (JC) are used to present, discuss and interpret current research literature, studies, master and/or PhD theses. In addition, the speakers receive feedback on the didactic processing of the topics. Students acquire the ability to independently analyze and present scientific results from third parties, especially in connection with own research in the areas mentioned above.

Interdisciplinary project work (IP) uses approaches, ways of thinking and methods from various disciplines and combines theoretical and practical objectives.

2.2.3. Group size

The group size for all lesson types of the curriculum is generally 20 students (Teilungsziffer =20).

23. ECTS-Points

The European Credit Transfer System (ECTS) serves to facilitate the inter-university and intra-European crediting of course achievements. The allocation of ECTS credit points is made for each course according to the workload to be mastered by the student (both in the courses and self-study). ECTS points are also to be assigned for module examinations and master thesis. The ECTS points are divided as follows between compulsory subjects (incl. exams), electives, master thesis and master examination.

| Compulsory subjects | Elective subjects | Master thesis and examination | Overall |
|----------------------------|--------------------------|--------------------------------------|----------------|
| 80 | 10 | 30 | 120 |

24. Language of instruction

The language of instruction for the master program is predominantly English. This is intended to support and facilitate opening up to international students in the sense of the Bologna-process.

3. The Master Program

Content and qualifications of the program are conveyed through modules. A module is a teaching and learning unit, which is characterized by input and output qualifications, content, teaching and learning forms, the standard workload and the performance assessment. The modules are completed in the form of one or more courses with related content.

3.1. Description of the modules

M1: Foundations of Human-Animal Interactions: Human Perspectives

Within the scope of the module, students will gain knowledge (i) about differences and similarities between humans and animals with regard to their physiology, (ii) about the pathophysiological mechanisms of the most important diseases and (iii) about the basic knowledge of therapeutic and preventive measures for the treatment and improvement of human and veterinary health. The focus is on the "OneHealth" concept with the shared environment and comparable lifestyle of humans and their pets, in particular comparative aspects for all diseases with involvement of the immune system, such as infections, allergies or cancer. Furthermore, students gain knowledge about the psychological basis of the differences in the human-animal relationship and their importance for the well-being of humans and animals. They also acquire the ability to critically evaluate studies on human-animal interactions including study design and methods.

M2: Foundations of Human-Animal Interactions: Animal Perspectives

In this module, students gain a fundamental insight into the evolution, individual development, function and physiological (neuronal and hormonal) mechanisms of perceptual, behavioural and cognitive processes in animals. In addition, they learn about specific, life-relevant problems related to selected animal species and their individual and social skills. They acquire the ability to mobilize their knowledge in animal behaviour to other areas of biology (with an emphasis on cognition and animal welfare) in the context of human-animal interaction. They will acquire the competence to understand the relationship between genetics, the environment, development and the effects of domestication on behaviour, cognition and welfare. They will also acquire basic knowledge of species-specific behaviour based on functional behavioural systems, and develop the ability to identify the most important behavioural problems and how to derive standards required for keeping and interacting with animals based on their species-specific behaviour.

M3: Foundations of Human-Animal Interactions: Ethical and Societal Perspectives

This module introduces ethical and societal perspectives on HAI. Students get to know key terminology and main concepts in animal ethics as well as a selection of theories that are central to the debate on the ethical treatment of animals, like Singer's utilitarian animal liberation, Tom Regan's deontological argument for animal rights, Clare Palmer's relational theory and others such as Cora Diamond's Wittgensteinian account or Lori Gruen's entangled empathy. These philosophical foundations of the moral status of animals are then linked to more applied questions, e.g. in veterinary practice, farming, animal experimentation, or concerning companion animals, animals in the wild and so on. With this, students gain knowledge of current (interdisciplinary) academic and societal debates concerning human animal relations, to which their own research later on in the master program can relate and add.

M4: Human-Animal Interactions in practice

This module integrates human and animal perspectives by focusing on actual human-animal interactions,

the resulting relationships, and emerging challenges from an interdisciplinary and inter-specific perspective. The students gain profound knowledge of concepts that seek to explain human-animal relationships (HARs), of various characteristics of HARs, the factors shaping their quality, and their effects on human and animal behaviour and welfare, in order to evaluate them in their specific context. Further, students gain insights into the main debates that deal with the challenges that emerge from human-animal interactions, and learn to critically reflect on these issues from different scientific and societal perspectives, discuss them ethically informed and develop science-based solutions. This includes the evaluation of the use of animals for different purposes and major production and husbandry systems regarding animal welfare, ecology, and economy.

M5: Research Methods of Human-Animal Interactions

This module aims to provide a general and interdisciplinary introduction into scientific and philosophical methods with a focus on methods used in the studies of HAI. After acquiring more general insights in terms of the theory of knowledge, the kind of knowledge which qualifies as scientific, the scientific methods, feasible strategies to gain valid knowledge and conceptions of progress in science, the students will learn the difference between theory and hypothesis, explanatory vs. confirmatory studies, explanation vs. understanding, and inductive vs. deductive reasoning. Students will understand different methods of scientific inquiry, the value of abstraction and simplification, the need for empirical evidence and the contrast to purely rational approaches. They will acquire the competence of distinguishing different kinds of research types (descriptive, discovery, hypothesis-driven, engineering) and research designs (correlational, experimental), learn the elements of a good study design, learn to distinguish variables, parameters and factors. More specifically, this module provides a comprehensive overview about the methods that are utilized in ethology, animal cognition research, neurobiology, comparative medicine and psychology, animal welfare science, and philosophy. Special focus will be put on the main methods used by the teachers of this module in their current research. Furthermore, the course will provide first insights into statistical data analyses, how reliability and validity of research is achieved, and how to prepare scientific presentations (talks, posters and written reports). Finally, students will be given a first approximation to philosophical methods, learn the basics of philosophical analysis and argumentation, as well as the main tools required for putting together a philosophical paper. Students will learn to argue carefully and thoroughly, to structure ideas in a logical and coherent manner, and to write clearly, precisely, and compellingly. An important focus will be on how scientific methods can gain meaning by including philosophical thinking and vice versa, and how this all fits into the principle of Good Scientific Practice.

M6: Research Project I

In Research Project I, small groups of students are involved in current research projects of the participating research groups (CC, CM, ET, ITT, DL). First, students get an introduction to the various research projects that are currently running and are available to host students. Each project is presented and explained in detail, before the students are assigned to the respective projects. In the scientific projects, the small groups develop a research question, hypotheses and predictions related to the assigned project under the guidance and supervision of the scientific project staff (Principal Investigators and PhDs), and design the appropriate methods to test their predictions. In case of philosophical projects, the students will devise a philosophical question that fits their interests, and engage in a first approximation to it by mapping the different positions and most important literature in the relevant debates. All students will then write a Research Project Proposal that will also be presented in form of a Scientific Poster as well as an Oral Presentation in front of the entire cohort and subjected to an evaluation. The generation of Research Project Proposals enables the students to apply in practice the scientific working and presentation methods introduced in the Research Methods Module, while at the same time acquiring additional knowledge for the preparation of their own master's thesis proposal.

M7: Interdisciplinary Journal Clubs and Thesis Seminar in Human-Animal Interaction

This module aims to provide the students with a deeper insight into current publications and studies in the field of human-animal interactions, with knowledge on criteria of quality in scientific publications and the ability to critically reflect and evaluate them from an interdisciplinary perspective. Students will have the possibility to discuss about recent concepts, studies and publications with researchers from the different disciplines, and train their ability to take and integrate different perspectives. Further, the module aims to train students to present a scientific and/or philosophical projects clearly and convincingly and to discuss their own ideas critically with other researchers and colleagues.

M8: Research Project II

In this module, students design their own research project under the guidance and supervision of senior scientists by identifying and developing a research problem relevant to the area of interest. The project aims to deepen as well as broaden the aptitude towards scientific or philosophical research as well as the theoretical and methodological knowledge. The work includes literature search, planning and execution of the project, critical analyses of relevant scientific or philosophical literature as well as the student's own results. In philosophical projects the students identify main and sub-questions of philosophical relevance and build up their own philosophical argumentation with reference to current debates as well as established theories in animal ethics and animal philosophy. During their philosophical and scientific projects, the students gain an understanding of the ethical issues associated with their research, and practice research ethics and responsible conduct in research. Students are expected to participate in relevant seminars and other regular activities of the research group. They are involved in current research projects of the participating research groups, work collaboratively and interdisciplinarily with their supervisor(s) and other researchers in the team, learn to apply problem solving skills to constructively address research setbacks. At the same time, they learn how to work autonomously in an effective manner, in setting and meeting deadlines. By participating in relevant seminars and other regular activities in the research group, the students learn to communicate confidently and constructively with colleagues and faculty, explain their research to others in the field and to broader audiences through research presentations and team meetings. Finally, they learn to report their research findings in written forms (poster, report, paper), to use appropriate terminology in scientific English, and to write in a clear, concise and non-speculative manner.

M9: Electives

In order to give students the opportunity to identify other innovative, future-oriented subject areas and to illuminate them more during the study program, elective subjects are envisaged in the amount of 10 ECTS.

Electives are offered as a part of existing courses at the Vetmeduni Vienna or other national or international universities in accordance with the master thesis supervisor and the person responsible for the curriculum.

M10: IMHAI Symposium

IMHAI students have the opportunity to present their scientific concepts and methods for their master's thesis as well as their first results in poster form. For advanced students it offers an opportunity to rehearse their lecture for the Defense. In any case, the students learn to process their concept correctly, logically and clearly, as well as to acquire and develop didactic skills. During this symposium, the students also get to know the projects of all other IMHAI students. In addition, international speakers in the respective main subject areas may be invited to the symposium, so that IMHAI students can interact with recognized experts and create an opportunity for networking.

M11: Master Thesis

The master thesis is an individual research paper, which should meet the general requirements to scientific publication. The purpose of the thesis is to conduct an analysis of a research question within the HAI-field and disciplines, and present the results of the analysis.

M12: Master examination

The master examination is a commission oral examination

3.2. Recommended semester schedule

1. Semester

| Module | Courses | VO | KV | SE | UE | SWS | ECTS |
|------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|------|-----|-----|----|-------------|------------|
| Foundations of Human-Animal Interactions: Human Perspectives | | | | | | 4 | 7 |
| | One health in a changing world | 1,33 | | | | 1,33 | 2,5 |
| | Basic concepts of immune defense in health and disease | 0,67 | | | | 0,67 | 1,5 |
| | From infectious diseases to vaccines | 0,67 | | | | 0,67 | 1 |
| | Psychological fundaments of HAI and animals impacting human well-being | 1,33 | | | | 1,33 | 2 |
| | | | | | | 9,5 | 10 |
| Foundations of Human-Animal Interactions: Animal Perspectives | The animal's perspective 1: How animals behave | 1,5 | 0,5 | | | 2 | 2 |
| | The animal's perspective 2: How animals feel | 1 | 0,5 | 0,5 | | 2 | 2 |
| | The animal's perspective 3: How animals think | 3 | | | | 3 | 3 |
| | The animal's perspective 4: Evolution, behaviour and cognition of domesticated species | 1,5 | | 1 | | 2,5 | 3 |
| Foundations of Human-Animal Interactions: Ethical and Societal Perspectives | | | | | | 3 | 5,5 |
| | Introduction to Ethics and Human-Animal Studies I | 2 | | | | 2 | 2 |
| | Introduction to Ethics and Human-Animal Studies II | | | | 1 | 1 | 3,5 |
| Human Animal Interactions in practice | | | | | | 6 | 7,5 |
| | Human-animal relationship in practice – variations, causes and effect | 1,5 | | 0,5 | | 2 | 2,5 |
| | Interdisciplinary course on human-animal interactions – influences, challenges and solutions | 2 | | 2 | | 4 | 5 |
| Overall | | | | | | 22,5 | 30 |

2. Semester

| Module | Courses | VO | KV | SE | UE | IP | SWS | ECTS |
|-----------------------------------------------------|------------------------------------------------------------------------|----|----|----|----|----|-----------|-----------|
| Research Methods in Human Animal Interaction | | | | | | | 15 | 20 |
| | An interdisciplinary introduction to scientific methods | | 1 | | | | 1 | 1 |
| | General methods of life sciences including statistics | 1 | | 2 | | | 3 | 4 |
| | Current Methods in Comparative Medicine | | | | 2 | | 2 | 2 |
| | Current methods in the Behavioral Sciences and Animal Welfare Sciences | 5 | | | 2 | | 7 | 8 |
| | Philosophical Research Methods | | | 2 | | | 2 | 5 |
| Research Project I | | | | | | 4 | 4 | 8 |
| Interdisciplinary Journal Club | | | | 1 | | | 1 | 2 |
| Overall | | | | | | | 20 | 30 |

3./4. Semester

| Module | Courses | VO | KV | SE | UE | IP | SWS | ECTS |
|--------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|----|----|----|----|-----------|-----------|
| Research Project II | | | | | | 9 | 9 | 13 |
| Electives | Courses from the Curriculum Diploma in Veterinary Medicine or the Curriculum Master in Comparative Biomedicine or other universities (e.g. courses on sustainability) | | | | | | | 10 |
| Interdisciplinary Journal Club and Thesis Seminar in Human-Animal Interaction | | | | | | | 2 | 2 |
| | Interdisciplinary Journal Club | | | 1 | | | 1 | 1 |
| | Thesis Seminar | | | 1 | | | 1 | 1 |
| IMHAI Symposium | | | | | | 1 | 1 | 5 |
| Master Thesis | | | | | | | | 27 |
| Master Examination | | | | | | | | 3 |
| Overall | | | | | | | 12 | 60 |

4. Examination regulations

4.1. Modules and examination subjects

The examinations in the master program „Interdisciplinary Master in Human-Animal Interactions“ aim to check the acquisition of competence (knowledge, skills, attitudes) as best as possible according to the criteria of reliability, validity and feasibility and to evaluate it on the basis of objective assessments.

Examinations take place as summative or formative assessments.

4.1.1. Modules with lectures and courses with continuous assessment

In the case of a module that consists exclusively of one or more courses with continuous examination character, the module is considered to have been successfully completed if the courses attributable to it have been successfully completed. The grade is obtained by averaging the grades of the courses assigned to the module, whereby the grades are weighted with the ECTS scope of the courses.

- Foundations of Human-Animal Interactions: Human Perspectives
- Foundations of Human-Animal Interactions: Animal Perspectives
- Foundations of Human-Animal Interactions: Ethical and Societal Perspectives
- Human-Animal Interactions in practice
- Research Methods in Human Animal Interaction
- Research Project I
- Research Project II
- Interdisciplinary Journal Club and Thesis Seminar in HAI
- Electives
- IMHAI Symposium

4.1.2. Master examination by commission

The prerequisite for admission to the master examination is the positive completion of all modules and examinations described in the curriculum as well as the positive assessment of the master thesis.

The master examination must be taken in the form of a publicly announced, publicly accessible and commissional master examination with defensio in front of an examination board.

The overall grade of the commissional master examination is calculated by the grade of the oral master examination (30 %) and the grade of the master thesis (70%).

5. Master Thesis

The master thesis is a work dedicated to a scientific and/or philosophical topic, which must be written as part of the master degree. With the master thesis, students show that they are able to deal independently with a scientific or philosophical question in terms of content and methodologically justifiable.

The task of the master thesis is to be chosen in such a way that it is possible and reasonable to complete within six months.

The master thesis is to be written in English, and style and criteria have to be in accordance with relevant academic journals of the respective discipline(s). Moreover, the regulations of the document "[Formale Richtlinie zur Erstellung einer Abschlussarbeit an der Vetmeduni Vienna](#)" (in the current applicable version) must be taken into account.

Working on a topic together by several students is allowed if the performance of the individual students can be assessed separately.

In accordance with section § 73 (1) UG 2002 the assessment is as follows: Very good (1), good (2), satisfactory (3), sufficient (4) or not sufficient (5).

The master thesis can be submitted for assessment after successful completion of the modules:

- Foundations of Human-Animal Interactions: Human Perspectives
- Foundations of Human-Animal Interactions: Animal Perspectives
- Foundations of Human-Animal Interactions: Ethical and Societal Perspectives
- Human-Animal Interactions in practice
- Research Methods in Human Animal Interaction
- Research Project I
- Research Project II
- Interdisciplinary Journal Club and Thesis Seminar in HAI
- IMHAI Symposium
- Electives

6. Completion of the master degree

The completion of the master program requires the successful completion of all modules and examinations, the positive assessment of the master thesis and the positive completion of the master examination.

Graduates of the Interdisciplinary Master program in Human-Animal Interaction are awarded the academic degree "Master of Science" abbreviated with "MSc."

The completed master program "Interdisciplinary Master in Human-Animal Interaction" entitles graduates to take up a doctoral or PhD program, and enables them to alternatively exercise a managerial role of the professional fields mentioned under 1.2

7. Entry into force

The curriculum comes into force on October 1, 2021.

8. Transitional provisions

Students who have not completed the “Interdisciplinary Master in Human-Animal Interactions” (“Bulletin of the University of Veterinary Medicine Vienna, Part 19, No. 46 from May 15 2012) as amended when this curriculum comes into force can switch to the new curriculum or can finish the program by the end of summer semester 2023. For students who would like to change to the new curriculum instead, exams that have already been successfully completed are recognized according to the equivalence list.

| Curriculum 2012 | Curriculum 2020 |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|
| Anatomy, Physiology and Genetics (300006, EM) and Comparative Pathophysiology and Pathology (300019, EM) and Comparative Nutrition and Dietetics (300029, SE) | M1- One Health in a changing world (VO) |
| Anatomy, Physiology and Genetics (300006, EM) and Comparative Pathophysiology and Pathology (300019, EM) | M1 - Basic concepts of immune defense in health and disease (VO) |
| Anatomy, Physiology and Genetics (300006, EM) | M1 - Psychological fundaments of HAI and animals impacting human well-being (VO) |
| Comparative Pathophysiology and Pathology (300019, EM) | M1 – From infectious diseases to vaccines (VO) |
| Introduction to Animal Behaviour (300002, EY) | M2 - The animal's perspective 1: How animals behave (VK) |
| Motivation, Emotion and Personality in Animals (300012, EY) and Applied Ethology and Animal Welfare I: Basic Principles and Concepts (300003, EL) | M2 - The animal's perspective 2: How animals feel (VT) |
| Introduction to Cognitive Biology (300001, EY) | M2 - The animal's perspective 3: How animals think (VO) |
| Canine Evolution, Behaviour and Cognition (300013, EM) and Behaviour, Husbandry and Welfare of Farm Animals (300004, EL) and Behaviour, husbandry and welfare of companion animals including basic aspects of behavioural therapy (300014, EL) | M2 - The animal's perspective 4: Evolution, behaviour and cognition of domesticated species (VS) |
| Introduction to Theoretical Philosophy and Philosophy of Science (300008, VO) and Introduction to Practical Philosophy (300009, EM) | M3 - Introduction to Ethics and Human-Animal Studies (VO) |
| Reading Course on Animal Ethics (300011, EZ) | M3 - Introduction to Ethics Human Animal Studies (UE) |

| | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>Human-animal-relationship I: Biological and psychological fundamentals (300005 , EM) and Human-animal-relationship II: importance for animal and human welfare (300017, EM) and Handling of farm and companion animals (300018, EB)</p> | <p>M4 - Human-animal relationship in practice –variations, causes and effects (VS)</p> |
| <p>Introduction to Applied Ethics and its Methodologies (300010, EB) and Behaviour, Husbandry and Welfare of Farm Animals (300004, EL) and Current Debates in Applied Animal Ethics (300024, EZ)</p> | <p>M4 - Interdisciplinary course on human-animal interactions – influences, challenges and solutions (VS)</p> |
| <p>Into Science: Practical Course in Behavioural and Cognitive Sciences (300025, VI) and Projectwork: Applied Ethology and Animal welfare (300028, SI) and Applied Ethology and Animal Welfare II: Animal Welfare assessment (300015, ET) and Practical Course on Ethics and Human-Animal Studies (300031, IP)</p> | <p>M5 - An interdisciplinary introduction to scientific methods (KV) M5 - General methods of life sciences including statistics (VS) M5 - Current Methods in Comparative Medicine (UE) M5 - Current methods in the Behavioral Sciences and Animal Welfare Sciences (VU) M5 - Philosophical Research Methods (SE)</p> |