

vetmeduni



Education

One Health Curriculum at the Veterinary Medicine University of Vienna

Rector Petra Winter / University of Veterinary Medicine Vienna

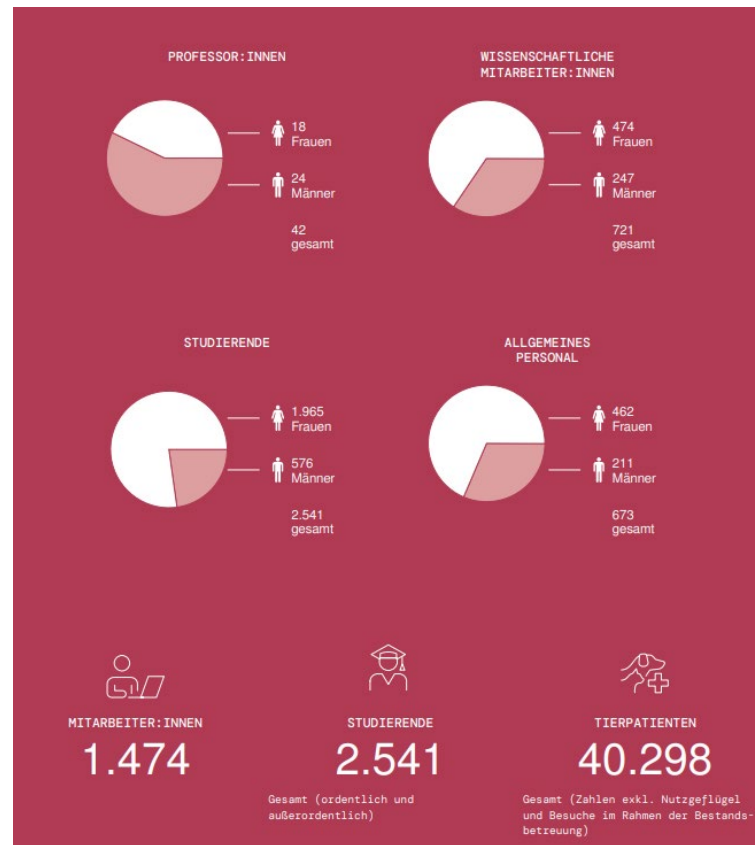
2024 June 13





The University of Veterinary Medicine Vienna is the only veterinary, academic educational and research facility in Austria and at the same time the oldest in the German-speaking area, founded 1765 by Empress Maria Theresia.

- Approx. 1,500 employees and 2,500 students
- Over 40,000 animal patients
- Full EAEVE accreditation (2019)
- Top placement in global ranking of academic subjects
 - Top 11 Shanghai Ranking veterinary sciences
- Eco-management and audit scheme (EMAS)
- “hochschuleundfamilie” certification for measure to balance studies, work and family life





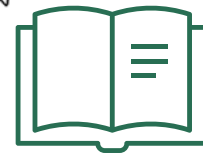
Research

Main research areas interconnected by One Health – One Welfare :

1. Pathway Medicine
2. Infection and Prevention
3. Comparative Veterinary Research
4. Food Safety and Risk Analysis
5. Animal Behaviour and Human-Animal Interaction

Important framework:

One Health: research for animal and human health



801

Academic Staff
Total

905

Scientific Publications
Total

Teaching: Degree Programmes + Graduates

	FRAUEN	MÄNNER	GESAMT
Diplomstudium Veterinärmedizin	165	34	199
Bachelorstudium Biomedizin und Biotechnologie	22	7	29
Bachelorstudium Pferdewissenschaften ¹	9,38	0	9,38
Masterstudium Vergleichende Biomedizin – Infektionsbiomedizin und Tumorsignalwege	11	0	11
Interdisciplinary Master's Programme in Human-Animal Interactions (IMHAI)	21	3	24
Masterstudium Wildtierökologie und Wildtiermanagement ²	1,6	1	2,6
Masterstudium Evolutionary Systems Biology ³	0,56	1,4	1,96
Doktoratsstudium Veterinärmedizin	20	8	28
PhD-Studien	13	7	20
Insgesamt	263,54	61,4	324,94

- Degree Programmes

- + Diploma Programme in Veterinary Medicine
- + Bachelor's Programme in Biomedicine and Biotechnology
- + Bachelor's Programme in Equine Sciences
- + Master's Programme in Comparative Biomedicine
- + Interdisciplinary Master's Programme in Human-Animal Interactions
- + Master's Programme in Precision Animal Health
- + Master's Programme Wildlife Ecology and Wildlife Management
- + Master's Programme in Evolutionary Systems Biology
- + Extension programme Initial consultation and care of the small animal patient
- + Doctorate Veterinary Medicine
- + PhD Programme

Diploma Programme Veterinary Medicine

1st Tier Semester 1-4

Basic understanding of the living organism is the foundation for understanding the clinical basics. Regular contact with animals and patients train students in the basics of veterinary medical practice.

Examinations: Knows „Knowledge“: MCQs, short answer questions & Shows „Performance“ OSPE

2nd Tier Semester 5-9

Through topic-based interdisciplinary instruction and the related discussion of patient cases, students learn about the relationships between physiological and pathological processes in animal species. Veterinary skills and abilities are trained through increasing integration of the students into the daily clinical routine, ensuring continuous practical application of the theoretical knowledge acquired. Other foci include theoretical and practical training in veterinary public health, food safety and food technology, and prescription law.

Examinations: Knows „Competence“: MCQs, key feature questions & Does „Action“ KLIPP Vet

3rd Tier Semester 10-11

Advanced training in two chosen specialisation tracks, one of which must be a clinical specialisation track.

Small Animal Medicine	Ruminant Medicine	Ruminant Medicine in Alpine Area	Pig and Poultry Medicine	Equine Medicine	Animal Health, Food Safety and Alpine Farming	Food Safety and Quality and Veterinary Public Health	Zoo and Wildlife Medicine – Conservation Medicine	Reproduction / Reproductive Biotechnology	Laboratory Animal Medicine
--------------------------	----------------------	--	-----------------------------	-----------------	---	---	--	---	-------------------------------

Examinations: Does „Action“ SOE specialisation track & Knows „Competence“ Key feature questions

Diploma Thesis and external practical training Semester 1-12
Development of 21st century skills

One Health at Diploma Programme in Veterinary Medicine

- Cluster 1: Introduction to OH
- Cluster 2: OH in Clinical Veterinary Medicine including AMR (prudent use of antibiotics) and biosecurity
- Cluster 3: OH and Food Safety
- Cluster 4: OH and VPH & Animal Welfare
- Cluster 5: OH-Legislation and Risk Analysis
- Cluster 6: OH and Conservation
- Cluster 7: Practical Trainings of OH in Veterinary Practice

FIGURE 3: THE SIX OH JPA ACTION TRACKS



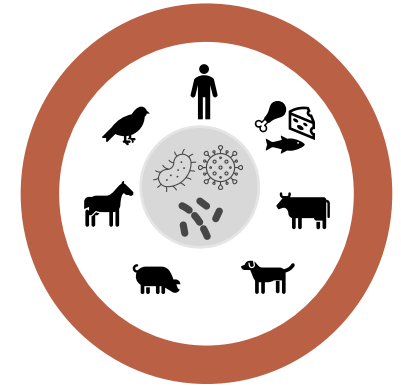
Sustainability at Diploma Programme in Veterinary Medicine

- Sustainable Animal Nutrition
- Sustainable Veterinary Practices
- Sustainable Food Production and Safety
- Environmental Impact of Animal Husbandry
- **Knowledge transfer Science to Public**
 - VetmedTalks online discussion forum - yearly programme for SDG 2, 3 and 15

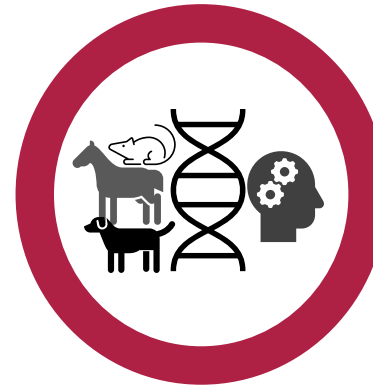


Vetmeduni activities for capacity building in One Health

- **Training undergraduates in One Health** along the Day 1 Competencies of EAEVE
- **One Health PhD Programme** 15 projects focusing on topics that affect humans, animals and the environment alike.
- **One Health Tirol. Gemeinsam für gesunde Menschen und Tiere** a symposium organized by the vetmeduni together with the Medical University of Innsbruck at its branch in Innsbruck



Infection Biology



Comparative
Medicine



Centre for Veterinary Systems Transformation and Sustainability

The new established centre will serve as an interface between veterinary medicine, VPH, environmental and food production sciences, and public health:

- Developing multidisciplinary focal points in terms of sustainability, One Health / One Welfare and transformation in veterinary medicine
- Strengthening the inter/transdisciplinary approach and systems thinking
 - Prof. One Health Systems Science
 - Prof. Digital Herd Health Monitoring
 - Prof. Sustainable plant metabolite-animal interactions

Interuniversity Ignaz Semmelweis Institute for research in infectious diseases (ISI)

The interuniversity institute, which will permanently and sustainably combine the expertise of veterinary and human medicine, will establish bidirectional knowledge transfer to ensure the protection of human and animal health and institutionalize zoonotic research.

- Prof. Infectiology (vetmeduni)
- Prof. Infectious medicine (Med Vienna)
- Prof. Epidemiology & Public Health (Med IBK)
- Prof. Clinical Infectiology (Med Linz)
- Prof. Host Fungal Pathogen Interaction (Med Graz)

Thank you for your attention!

Rector Petra Winter / University of Veterinary Medicine Vienna

+43 1 25077-1004
rektorat@vetmeduni.ac.at
Veterinärplatz 1, 1210 Vienna
Austria

www.vetmeduni.ac.at

