vetmeduni

Want an upgrade?

MASTER'S PROGRAMME (MSc)

Precision Animal Health

in Vienna

Why ...

... Master's Programme in Precision Animal Health?

Digitalisation has already also found its way into the field of animal husbandry and veterinary medicine by means of innovative applications of information and communication technologies. This is the source of disruptive change in diagnostic and communication options for veterinarians as well as those who care for animals, which can be used in improving animal health and well-being.

This master's programme is designed for students interested in further education at the interface between veterinary medicine, animal husbandry, animal production and modern, information-driven technologies. During the master's programme, students acquire skills which enable them:

- to understand and explain the technological basics and principles underlying the application of information-driven technologies in the areas of veterinary medicine, animal husbandry and agricultural production,
- to translate the principles, needs and challenges of agricultural production and farming (with a core focus on livestock management) into the related technical language, to communicate with technical specialists and, as a result, to significantly facilitate technical innovation and solutions,
- to be involved in the development, implementation and distribution of new technology-based solutions along the animal care chain,
- to undertake specialist foundational, interdisciplinary and applied research at universities (PhD), universities of applied sciences and non-university research institutions in the area of digital animal health management and in collaboration with farms and companies in the agricultural sector and related industries,
- to rely on facts to reliably estimate the impacts of the use of precision animal health technologies in terms of socio-economic and ethical aspects as well as the goal of ensuring a sustainable and efficient use of resources.

Studies

Vetmeduni has launched a new unique master's programme in Precision Animal Health in the academic year 2022/2023.

The new master's programme focuses on the management of animal health and digitalisation. This master's programme is designed for students interested in further education at the interface between veterinary medicine, animal husbandry, animal production and modern, information-driven technologies. This programme not only considers farm animals, also the application of digital technologies in companion animals are included.

Structure and Duration of Studies

Duration: 4 semesters
(120 ECTS credits)

Practice: 8 weeks

Study places: 20 per year

Conclusion with **Master's Thesis**

Academic grade: Master of Science (MSc)

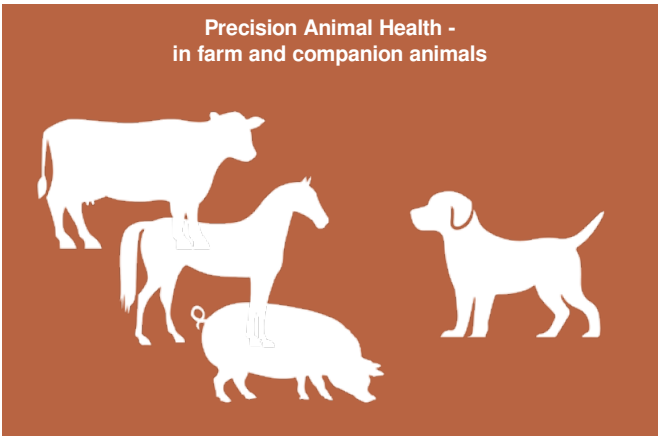
Language of instruction: English

Tuition fee per semester:

EU/EEA/CH citizens € 363,36 with temporary exemption | third country nationals € 726,72

Organisational form:

work-friendly, web-based study with attendance phases



Curriculum

Focus

- Animal health and digitalisation
- Interface between veterinary medicine, animal husbandry, animal production and modern, information-driven technologies.

1st Year

- Monitoring Animal Health
- Capturing Data and Parameters
- Data Processing and Analysis
- Data Sources and Management
- Monitoring Systems
- Applications of Precision Animal Health Management
- Internship
- Electives

2nd Year

- Applications and Implementation
- Innovation and Society
- Practical
- Electives
- Master‘s thesis
- Master‘s examination

Further Education

- Doctorate Studies
- PhD programmes

Monitoring animal health is in everyone‘s interest!
Photo: Manfred Kisling | Vetmeduni

Professional Fields

Graduates of Master's Programme in Precision Animal Health may pursue careers in a number of fields:

- Product development and research in veterinary technical and agricultural technical areas (in the private and public sectors)
- Specialist consulting for farms in terms of the deployment of smart farming technologies
- Consulting in the area of herd management at livestock farms
- Universities and other post-secondary educational institutions
- Non-university research institutions

Explaining sensor-technology to students
Photo: Michael Bernkopf | Vetmeduni

Data processing and analysis
Photo: Michael Bernkopf | Vetmeduni

MASTER'S PROGRAMME (MSc)

Precision Animal Health

in Vienna

- **Animal Health and Digitalization**
- **4 semesters, mainly online**
- **Information-driven technology**
- **Livestock and companion animals**
- **20 students, mentoring system**
- **Got a job already? No problem!**

In the event of **questions concerning studies**, please contact:
pah@vetmeduni.ac.at

Or visit our website for further information of the **Master's programme:**
https://www.vetmeduni.ac.at/pah

Studying at the Vetmeduni, general information:
https://www.vetmeduni.ac.at/en/studies/prospective-students

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