

## Internship, Practicals and Veterinary Public Health (G000794)

Due to Covid 19, the education and assessment methods may vary from the information displayed in the schedules and course details. Any changes will be communicated on Ufora.

Course size		(nominal values; actual values may depend on programme)			
Credits	5.0	Study time	150 h	Contact hrs	55.0h
Course offerings and teaching methods in academic year 2021-2022					
A (Year)	(language of instruction unknown)	Gent		work placement practicum	80.0h 20.0h
Lecturers in academic year 2021-2022					
Maes, Dominiek			DI08	lecturer-in-charge	
Gabriël, Sarah			DI06	co-lecturer	
Offered in the following programmes in 2021-2022				crdts	offering
Master of Veterinary Medicine in Veterinary Medicine(main subject Pig, Poultry and Rabbit)				4	A

### Keywords

pig herd, pig veterinarian, practical

### Position of the course

The aim is to allow the student to become familiar with the daily work and activities on a pig herd, with focus is on pig health and production.

A second aim to allow the student to become familiar with the daily work and activities of a pig veterinarian.

The student must have a thorough knowledge on reproductive physiology, infectious diseases, housing, nutrition and medicines that are frequently used in pigs.

Besides the theoretical knowledge regarding the production of safe food, obtaining practical knowledge and skills regarding the tasks of the official veterinarian is essential for food safety and public health.

### Contents

The content focusses on gaining insight and knowledge of a pig herd under practical circumstances. The student has to follow the daily work of the farmer, and may assist the farmer if needed (e.g. vaccinations, estrus detection, inseminations, hygiene measures, small surgical interventions, weaning and moving piglets, feeding and drinking pigs, etc.).

The practical with the pig veterinarian aims to gain insight and knowledge in the daily work and activities of a pig veterinarian. Apart from the veterinary aspects, the student should also become familiar with other aspects such as practice management and communication with the farmer.

In total, there is one week practicals on a pig herd, and 1 week with a pig veterinarian. Normally, there is no work at night, but some activities may take place outside the normal working hours. Also, the practical may take place during holiday period. Preferably, the practical on pig herds takes place at the beginning of the academic year.

For veterinary public health students will follow trainings in different companies, in the primary, transformation and distribution sector. Production processes, quality systems, regulatory aspects regarding food safety will be reviewed in practice. Additionally, two practical sessions on HACCP and risk analyses will be organised at the faculty.

### Initial competences

Knowledge on the reproductive physiology, infectious diseases, housing, nutrition and medicines used in pigs is recommended.

Subscribing for this course is only possible after obtaining a bachelor degree in veterinary medicine or when enrolled in a GIT trajectory in veterinary medicine between the third bachelor and first master year.

For students who are not currently enrolled in the UGent veterinary medicine studies is subscription for this course only possible if they comply with the majority of final competencies of the bachelor in veterinary medicine degree and after approval of the curriculum commission.

Students wishing to follow this course are advised to have sufficient knowledge from the courses 'VVG I: algemene principes', 'VVG II: voedsel en milieu chemie', 'VVG III: Voedingsmiddelen - technologie en -microbiologie, biologische gevaren', en 'VVG IV: voedselveiligheid en controle'.

### Final competences

- 1 To gain knowledge and insight in the daily activities on a pig herd under practical circumstances (M1.11, 1.20)
- 2 To gain knowledge and insight in the daily activities of a pig veterinarian (M1.20, 1.21)
- 3 To interpret the behaviour of pigs (M1.15)
- 4 Functioning well in a team of peers or in a multidisciplinary group (M4.4)
- 5 To show an ethical, professional and social justified behaviour within and outside the veterinary profession (M5.1)  
--- Klik om te editen ---
- 6 Being convinced and applying the social role of the veterinarian in all aspects of animal production and food production (M5.2)
- 7 To be able to function in a multicultural context and being convinced of the added value of diversity within the profession and in the society (M5.6)  
--- Klik om te editen ---
- 8 Being conscious of the problem of animal welfare in society (M5.4)
- 9 Implementing measures to enhance sustainability of the veterinary profession and the society (M5.5)  
--- Klik om te editen ---
- 10 Practical insights in the tasks and responsibilities of the (official, recognised) veterinarian operating in food producing companies. The independent identification of the relevant legislation, critical search for relevant scientific information and critical analyses of data/information is essential for the good conduct of these tasks.  
(M1.11, 1.12, M4.4, M5.2, 5.7)
- 11 Independent development and assessment of a basic HACCP system in a food producing company (M1.22)
- 12 Practical insights in the development and interpretation of a risk analyses in food safety. (M1.11, M2.1, M3.1, M3.2)

### Conditions for credit contract

Access to this course unit via a credit contract is determined after successful competences assessment

### Conditions for exam contract

This course unit cannot be taken via an exam contract

### Teaching methods

Practicum, Work placement

### Extra information on the teaching methods

Presence on a pig herd and active participation with the pig farmer. To accompany pig veterinarians and actively participate with the daily activities.

In the course veterinary public health several practical trainings are organized in food producing companies. Additionally tasks/exercises in practical (group) sessions are organized and discussed.

### Learning materials and price

Syllabus, students are motivated to find further information in books, papers, electronic information sources.

Application of course materials received during the previous VVG courses,

(Approved)

exercises and tasks via Ufora/curios.

## **References**

### **Course content-related study coaching**

Each student is supervised closely by the pig farmer and the pig veterinarian. In each week, there is only one student on the herd or with the veterinarian. For veterinary public health students are supervised by the official/recognised veterinarians, guest professors and staff of the laboratory.

### **Assessment moments**

end-of-term and continuous assessment

### **Examination methods in case of periodic assessment during the first examination period**

Report, Job performance assessment

### **Examination methods in case of periodic assessment during the second examination period**

Report, Job performance assessment

### **Examination methods in case of permanent assessment**

Report, Participation, Job performance assessment

### **Possibilities of retake in case of permanent assessment**

examination during the second examination period is possible

### **Extra information on the examination methods**

Written report and oral presentation followed by a group discussion from each practical. The student is also evaluated by the pig farmer and the pig veterinarian. Emphasis is placed on motivation and collaboration during the daily work. for VPH: training reports, tasks, exercises, participation, curios/ufora. Due to COVID-19 changes may be made to the education and examination systems. These changes will be announced via the Ufora platform.

### **Calculation of the examination mark**

Half of the evaluation is based on the report and the discussion, the other half is based on the evaluation of the pig farmer / veterinarian.

For VPH: a minimum final score of 8/20 is needed to pass. To obtain credits for VPH a minimum score of 10/20 is needed. A second session is not possible for the abattoir and FAVV components.