GHENT UNIVERSITY

Course Specifications

From the academic year 2020-2021 up to and including the academic year

Herd Health Medicine and Epidemiology of Pigs, Infectious diseases and Pathology (G000812)

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 11.0	**Study time 330 h**	**Contact hrs**	315.0h

Course offerings and teaching methods in academic year 2021-2022

A (Year)	Dutch	Gent	lecture: response lecture	25.0h
			clinic	290.0h

Lecturers in academic year 2021-2022

Boyen, Filip	DI05	staff member
Maes, Dominiek	DI08	lecturer-in-charge
Chiers, Koen	DI05	co-lecturer
Cox, Eric	DI04	co-lecturer
Geldhof, Peter	DI04	co-lecturer
Nauwynck, Hans	DI04	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)	11	A

Teaching languages

English, Dutch

Keywords

herd health, epidemiology, infectious diseases, pathology, pigs

Position of the course

The objective is to make students familiar with the principles of pig herd health problems and to teach them how to recognise, analyse and solve these problems. This implies that they should gain a thorough understanding and knowledge of reproductive target values, the epidemiology and pathology of infectious diseases, housing conditions and economically justified control measures.

Contents

The contents focus on the application and integration of different disciplines when facing concrete herd health problems. This implies: -the interpretation of herd data e.g. reproduction and production data -the control of infectious and production herd problems in the different age groups and in different production systems.

Initial competences

Students should have a thorough knowledge of reproductive physiology, infectious diseases, pathology, housing and epidemiology of pigs.
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.

Final competences

1 To gain knowledge and insight in the most common herd problems in pig farms, and to apply this knowledge (M1.1, 1.3)
2 To recognize the most important herd problems and pathology in pigs (M1.3, 1.7, 1.9)

3 To be able to analyse and interpret herd data: animal health, animal welfare, veterinary public health, technical data (M1.4, 1.5, 1.21, 1.22)
4 To recognize the multifactorial character of herd health (M1.1)
5 To recognize the importance of continuing professional development (M3.4)
6 To show proper ethical, professional and social behaviour within and outside the veterinary professioin (M5.1)
7 Being convinced and showing the social role of the veterinarian in all aspects of animal production and food production (M5.2)
8 Implementing measures to enhance sustainability of the veterinary profession and the society (M5.5)
9 To develop measures that improve animal health, welfare and production (M1.4, 1.5, 1.10, 1.13, 1.14, 1.22, 3.1, 3.3, 4.7)
10 To critically collect, analyse and synthesize international research findings and to use these data in a creative way for own purposes (M2.1)
--- Klik om te editeren ---
11 To analyze and solve clinical and scientific problems (M3.1)
12 To deal critically with scientific and clinical data (M3.2)
13 To approach scientific and clininical problems from different perspectives (multi-perspectivism) (M3.5)
14 To be able to report in written format fluently the results of (own) scientific and clinical research to other vets, health professionals and higher educated persons (M4.1)
15 --- Klik om te editeren ---
To be aware of the issue of animal welfare in society (M5.4)

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

Clinic, Lecture: response lecture

Extra information on the teaching methods

Farm visits with 2 or 3 students, practicals (e.g. semen analyses, performing and interpreting necropsies), presenting and discussing case reports, excursion, and exercises via internet classes
The number of hours clinical teaching is indicative and will be determined each year in function of the case load and the number of students. The clinics are spread over the entire year because of possible seasonal variation in the case load.

Learning materials and price

Syllabus and printout of the lessons. Students are motivated to find further information in books, papers, electronic information sources.

References

Course content-related study coaching

Students are well supervised because they work in small groups.

Assessment moments

end-of-term and continuous assessment

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

Oral examination, Written examination with open questions

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

Oral examination, Written examination with open questions

Examination methods in case of permanent assessment

Report, Oral examination, 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

(A): Periodical evaluation. Written exam, oral defense for part of the questions.
The examination content is based on the syllabus and the material discussed during the

lessons. The students should be able to analyse and interpret veterinary herd health problems and data and they should be able to take appropriate prevention measures.
(B): Permanent evaluation is based on motivation and dedication of the student during the herd visits, discussion of case reports and exercises.

Calculation of the examination mark

Half of the evaluation is based on the written and oral exam, the other half based on permanent evaluation.
Students who eschew period aligned and/or non-period aligned evaluations for this course unit may be failed by the examinator.