Parasitic Diseases and Zoonoses, with Clinical Training (G000008)

Course Specifications
Valid as from the academic year 2018-2019

Course

Lecturers in academic year 2018-2019
Claerebout, Edwin
Dorny, Pierre
Levecke, Bruno
Van Meirhaeghe, Hilde

Course offerings and teaching methods in academic year 2018-2019
A (year) Dutch
lecture 45.0 h
practicum 10.0 h

Offered in the following programmes in 2018-2019

<table>
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<tr>
<th>Programme</th>
<th>crdts</th>
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<tbody>
<tr>
<td>Master of Veterinary Medicine in Veterinary Medicine (main subject Companion Animals)</td>
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<tr>
<td>Master of Veterinary Medicine in Veterinary Medicine (main subject Horse)</td>
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<td>Master of Veterinary Medicine in Veterinary Medicine (main subject Pig, Poultry and Rabbit)</td>
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<td>Master of Veterinary Medicine in Veterinary Medicine (main subject Research)</td>
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<td>Master of Veterinary Medicine in Veterinary Medicine (main subject Ruminants)</td>
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<tr>
<td>Joint Section Master of Veterinary Medicine in Veterinary Medicine</td>
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Teaching languages
Dutch

Keywords
Parasitic diseases, animals, epidemiology, pathogenesis, diagnosis, treatment, control, zoonosis

Position of the course
The major objective of the course is to give insights in the epidemiology, the pathology, the diagnosis, the treatment and the control, and the zoonotic importance of parasitic diseases of animals. In the practicals the objective is to learn the parasitic diagnostic techniques and the identification of parasites.

Contents
The course is divided according to animal species: cattle, small ruminants, horses, swine, dog, cat and birds. There is a separate course on parasitic zoonotic diseases. For each animal species the diseases are divided according to organs (e.g. gastrointestinal tract, liver, respiratory tract, skin) and for each disease successively the epidemiology, pathology and pathogenesis, diagnosis, treatment and control is discussed.
In the practical courses the student gains knowledge of the different diagnostic techniques, the identification of parasites in samples and the interpretation of laboratory tests.

Initial competences
For the course the student needs to have knowledge of the biology and morphology of animal parasites and this links up with the attainment of the course on Parasitology.
This course can only be taken if the student has obtained the degree of bachelor in

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Veterinary medicine or if the student is enrolled in a ‘GIT’ programme, combining 3rd bachelor and 1st master. This course can only be selected if there is no incompatibility with the applicable ‘GIT’ rules in the academic year in which this course is taken up (http://www.ugent.be/di/nl/voor-studenten/facreglement/GIT/git1516.htm). 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. The final attainment level is a good knowledge of all aspects of parasitic diseases in animals, in order to diagnose, treat and control parasitic diseases adapted to local conditions (e.g. farm management). The student should also be able to perform appropriate parasitological diagnostic techniques and to interpret the results of these tests. His/her knowledge on parasitic zoonoses should permit the student to discuss with owners of animals the possible risks of animal parasites to humans.
2. Be able to analyse and solve cases of parasitic diseases.
3. Show capacity to reason logically when solving parasitic problems.
4. Communicate results from parasitological investigations in a clear and concise manner to lay persons, such as clients of a veterinary practice.
5. Implement measures to increase the sustainability of parasite control.
6. Knowledge of (re-)emerging parasitic diseases which may affect public health and food safety, and ability to recognise these diseases.

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

Lecture, practicum

Extra information on the teaching methods

The course is given as lectures and regularly discussion classes are organised on case reports. During the practicals (each student attends the practicals during one week, daily between 8 and 10 am; the number of students/group is limited to 11) each student has the material to perform the diagnostic techniques and for the identification of parasites. The samples examined are from the clinics of the faculty or from private veterinary practices. The results of the microscopic examination and the interpretation thereof are discussed.

Learning materials and price

An extensive syllabus (in Dutch) and the slides (pdf format) are available in Minerva. Reference is given to books and electronic information sources. The tutorials are recorded using Galicaster and made available in Minerva.

References

Course content-related study coaching

There is no specific tutoring. Considering the small groups during the practicals problems can be easily discussed with the lecturers.

Evaluation methods

End-of-term evaluation and continuous assessment

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

Written examination with open questions, written examination with multiple choice questions

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

Written examination with open questions, written examination with multiple choice questions

Examination methods in case of permanent evaluation

Participation, job performance assessment

Possibilities of retake in case of permanent evaluation

Examination during the second examination period is not possible.

Extra information on the examination methods

A: Written exam.
Examination content: the study material discussed during colleges

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(tutorials). Emphasis of the exam is on understanding the pathogenesis of the parasitic diseases, developing a (differential) diagnosis and ability to advise on antiparasitic treatment and preventive measures.

B: Permanent evaluation of dedication and skills at the end of the week.

Calculation of the examination mark
- written exam: x/120 (80 points for open questions, 40 points for MC questions)
- permanent evaluation of dedication and skills: y/10
- total: (x+y)/130

Students who eschew period aligned and/or non-period aligned evaluations for this course unit may be failed by the examiner.