

Animal Physiology (I700213)

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

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| Course size | <i>(nominal values; actual values may depend on programme)</i> | | |
| Credits 5.0 | Study time 150 h | Contact hrs | 48.0 h |

Course offerings and teaching methods in academic year 2022-2023

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|----------------|-------|------|-----------|--------|
| A (semester 1) | Dutch | Gent | practicum | 12.0 h |
| | | | seminar | 12.0 h |
| | | | lecture | 24.0 h |

Lecturers in academic year 2022-2023

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|---------------|------|--------------------|
| Fremaut, Dirk | LA22 | lecturer-in-charge |
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Offered in the following programmes in 2022-2023

| | | |
|--|---|---|
| Bachelor of Science in Bioscience Engineering Technology | 5 | A |
|--|---|---|

Teaching languages

Dutch

Keywords

Zootechnics - digestive physiology

Position of the course

Given the importance of the livestock sector in the Belgian and European agriculture a good knowledge of the structure and physiology of mammals in the bachelor education is indispensable.

Contents

The course covers the main characteristics and properties of the following topics in view of the importance of the later courses: Biological evolution and revolution; Principles of cytology and histology of animal cells, tissues and organs; Detailed description of the musculoskeletal system, nervous system, the muscular system, the circulatory system, the respiratory system, the sight and hearing. In the context of the more practical approach, to each species much attention will be paid to the relationships with the production results, factors influencing animal health, carcass quality, long viability of the animals and meat quality.

Initial competences

Competences acquired for "General Zoology: morphology and systematic". Knowledge of organic chemistry is recommended.

Final competences

Being able to consider, on a independent basis, common problem cases within the field of animal production and offer possibly solutions. Include: A thorough understanding in animal cells and tissues. A thorough knowledge of the anatomy and physiology of the main farm animals. Being able to form an image from the development of animals. General competence: A systematic knowledge of the core elements of a discipline.

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, seminar

Learning materials and price

Course notes "Physiology of the animal", 367 pages.

Exercise notes "Physiology of the animal"

References

Journals available in library

Course content-related study coaching

Permanent possibility to ask questions after appointment. Rehearsal lesson. Opportunity to consult books and journals.

Evaluation methods

end-of-term evaluation and continuous assessment

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

Written examination

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

Written examination

Examination methods in case of permanent evaluation

Written examination, report

Possibilities of retake in case of permanent evaluation

examination during the second examination period is not possible

Extra information on the examination methods

Theory: written

Exercises: permanent evaluation

Calculation of the examination mark

Theory: 66.7% Exercises: 33.3%

Students need to participate to all exams/assignments to succeed; for the aspects of permanent as well as non-permanent evaluation. The end assessment is a weighted average of the of the two subscores: 67.7% oral exam, 33.3% personal work (exercises).

If a subscore is less than 8/20 (not rounded-off), it is not possible to pass this course. In this case, if the weighted score is 10 or more, the final score will be 9/20.