GHENT UNIVERSITY

Course Specifications

Valid in the academic year 2023-2024

Digestive Physiology of Animals (I700236)

Course size *(nominal values; actual values may depend on programme)*

Credits 5.0 **Study time 150 h**

Course offerings and teaching methods in academic year 2023-2024

A (semester 1)	Dutch	Gent	lecture
			seminar

Lecturers in academic year 2023-2024

Ingels, Katrijn	LA22	staff member
Fievez, Veerle	LA22	lecturer-in-charge
Fremaut, Dirk	LA22	co-lecturer
Hostens, Miel	LA22	co-lecturer

Offered in the following programmes in 2023-2024	**crdts**	**offering**
Bachelor of Science in Bioscience Engineering Technology	5	A
Linking Course Master of Science in Bioscience Engineering Technology: Agriculture and Horticulture (main subject Plant and Animal Production)	5	A
Preparatory Course Master of Science in Bioscience Engineering Technology: Agriculture and Horticulture (main subject Plant and Animal Production)	5	A

Teaching languages

Dutch

Keywords

Zootechnics - digestive physiology

Position of the course

Given the impact of feed costs on the profitability of livestock production is a good knowledge of the structure and operation of the digestive system essential in the Bachelor of biosciences.

Contents

Anatomy and physiology of the digestive system in the different farm animals and implications for the nutrition and health of the animals.
Hormonal regulation of metabolic processes of life.

Initial competences

Competences acquired for "General Zoology" and "Construction and physiology of the animal."
Knowledge of organic chemistry is recommended.

Final competences

1 Capable of handling hormonal processes which regulate the digestion in animals on a scientific based manner.

Knowledge and understanding of both the anatomical and physiological processes that directly or indirectly regulate the digestion in farm animals.

General Competence:
Being able to evaluate scientific issues related to the digestive capacity in animals and the usefulness of the different feeds in the rations for these animals.

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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

Seminar, Lecture

Extra information on the teaching methods

After a introduction and demonstration, students must train themselves to be able to recognize feed components.
Students are trained to gain insight in digestibility and nutrional value

Learning materials and price

Course "digestive physiology" - 380 pages

References

Journals available in library.

Course content-related study coaching

Permanent opportunity to ask questions and communications via email.

Assessment moments

end-of-term and continuous assessment

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

Oral assessment

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

Oral assessment

Examination methods in case of permanent assessment

Assignment

Possibilities of retake in case of permanent assessment

examination during the second examination period is not possible

Extra information on the examination methods

Theory: Oral examination with written preparation
Reports on the exercises are scored. Students are finally tested on their knowledge about the excercices.

Calculation of the examination mark

Theory: 80%
Exercises: 20%
Students need to particiapte 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: 80% oral exam, 20% 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.