

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 2024-2025

A (semester 1)	Dutch	Gent	seminar lecture
----------------	-------	------	--------------------

Lecturers in academic year 2024-2025

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

Offered in the following programmes in 2024-2025

	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 Dealing in a scientifically sound way with the hormonal processes that regulate digestion in animals.
- 2 Have knowledge and understanding of both anatomical and physiological processes that directly or indirectly regulate digestion in farm animals.
- 3 Address practical issues related to digestibility in animals and the usability of different feedstuffs in rations for these animals.
- 4 Recommend preventive measures that reduce or prevent disorders of the digestive system or its physiology

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 nutritional value

Study material

Type: Syllabus

Name: Course notes and slides Verteringsfysiologie

Indicative price: Free or paid by faculty

Optional: no

Language : Dutch

Available on Ufora : Yes

References

extensive list of references in course notes

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 excercises.

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.