

# Course Specifications

From the academic year 2021-2022 up to and including the academic year

# Digestive Physiology of Animals (1700236)

Course size	(nominal values; actual values may	depend on	programme)			
Credits 5.0	Study time 150 h		Contact hrs	48.0h		
Course offerings and t	eaching methods in academic year 20	22-2023				
A (semester 1)	Dutch	Gent		demonstration		6.0h
				project		12.0h
				seminar: coached	exercises	6.0h
				lecture		24.0h
Lecturers in academic	year 2022-2023					
Ingels, Katrijn			LA22	staff membe	r	
Fremaut, Dirk			LA22	lecturer-in-charge		
Hostens, Miel			LA22	co-lecturer		
Offered in the following programmes in 2022-2023				crdts	offering	
Bachelor of Science in Bioscience Engineering Technology				5	А	
Linking Course Master of Science in Bioscience Engineering Technology: Agriculture and Horticulture (main subject Plant and Animal Production)				nd 5	А	
Preparatory Course Master of Science in Bioscience Engineering Technology: Agriculture				ire 5	А	

# 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.

and Horticulture (main subject Plant and Animal Production)

# 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**

Demonstration, Lecture, Project, Seminar: coached exercises

# 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 examination

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

Oral examination

# Examination methods in case of permanent assessment

Report

### 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.