

Nutrition of Pigs (1700263)

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

Credits 3.0 **Study time 90 h**

Course offerings in academic year 2023-2024

A (semester 1) Dutch Gent

Lecturers in academic year 2023-2024

Ingels, Katrijn	LA22	staff member
Fremaut, Dirk	LA22	lecturer-in-charge

Offered in the following programmes in 2023-2024

	crdts	offering
Master of Science in Bioscience Engineering Technology: Agriculture and Horticulture (main subject Plant and Animal Production)	3	A

Teaching languages

Dutch

Keywords

Nutrition, pigs, additives, rations

Position of the course

The student must be able to formulate a scientific based nutrition for pigs, based on a profound physiological knowledge of pigs in the different production-phases. Hereby he/she has to take into account the involved economical, zoo technical and ecological parameters and the consumer's demands for the quality of animal end products. Together with the dairy cattle industry, the pig production is the most important for the Belgian agriculture.

Contents

- physiological aspects of the feed
- Feed valuation systems as well as the most important feedstuffs
 - Theoretical requirements for energy, protein, minerals, vitamins and water of sows in relation to zoo technical and environmental factors.
 - Practical nutrition in sows that is zoo technically, economically, ecologically and sanitarly justified
 - Theoretical needs for energy, protein, minerals, vitamins and water for piglets and meat pigs in relation to zoo technical and environmental factors.
 - Practical piglet and slaughter pig feed that is zoo technically, economically, ecologically and sanitarly justified
 - International context of pig nutrition

Initial competences

Acquired competences for "digestive physiology" and "nutrition"

Final competences

- 1 Being able to feed pigs in an appropriate way, with respect to the environment and according to the rules of food safety and the sustainability of intensive agriculture.

General Competence:

An advanced understanding and insight into the scientific-disciplinary knowledge specific to a particular domain of the sciences;

Thorough knowledge of feed standards and feedingstuffs.

2

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, Excursion, Lecture

Learning materials and price

Course notes "Pig nutrition" - 300 pages

References

Course content-related study coaching

Permanent possibility to ask questions

Assessment moments

end-of-term 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

Possibilities of retake in case of permanent assessment

not applicable

Extra information on the examination methods

Oral examination with written preparation

Calculation of the examination mark

Theory: 80 %

Exercises: 20 %

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: 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.