

Tropical Food Production (1002781)

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.

Course size	<i>(nominal values; actual values may depend on programme)</i>		
Credits 5.0	Study time 150 h	Contact hrs	50.0 h

Course offerings in academic year 2020-2021

A (semester 1)	English	Gent
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Lecturers in academic year 2020-2021

Van Damme, Patrick	LA21	lecturer-in-charge
Claes, Marleen	D106	co-lecturer
Van Stappen, Gilbert	LA22	co-lecturer

Offered in the following programmes in 2020-2021

	crdts	offering
Master of Science in Nutrition and Rural Development	5	A
Exchange Programme in Bioscience Engineering: Agricultural Sciences (master's level)	5	A
Exchange Programme in Bioscience Engineering: Food Science and Nutrition (master's level)	5	A

Teaching languages

English

Keywords

Tropics, production, meat, fish, cash crops, food crops

Position of the course

To acquire the general knowledge on the diverse environments, food categories and production systems, which is necessary to develop new strategies to improve production, income and nutrition status of rural people in developing countries.

Contents

1. General understandings
 - 1.1. Introduction to world climates
 - 1.2. Geographical distribution of agricultural crops and livestock – why is there hunger in the world ?
 - 1.3. Main differences in agricultural production and animal husbandry systems
2. The role of international agricultural research institutes (CG centres)
3. Food security/food safety, fair trade, yield gaps and how to bridge them, and other topics/recent developments
4. Food/vegetable crops
 - 4.1. Cereals: rice, maize, sorghum, millet,...
 - 4.2. Roots and tubers: sweet potatoes, plantains, manioc, leguminosae (soya, ..)
5. Cash crops
 - 5.1. Banana, nuts
 - 5.2. Coffee/tea, cacao
 - 5.3. Spices, vegetable oils (ex. Palm oil)
 - 5.4. Meat and meat products
6. Fish and fishery products

Initial competences

No specific requirements

Final competences

- 1 Have insight in the opportunities and limitations of the different production systems, crops and products in developing countries.
- 2 Have knowledge of the limiting factors and the expected yields.
- 3 Reason for world food problem are known, and possible ways/strategies to tackle them are understood.

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

Guided self-study, group work, lecture, self-reliant study activities

Learning materials and price

A syllabus is available. Cost: 20 EUR

References

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Course content-related study coaching

Permanent through Minerva. Personal contacts with lecturer and assistants.

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

Report

Possibilities of retake in case of permanent evaluation

examination during the second examination period is possible

Calculation of the examination mark

Students who eschew period aligned and/or non-period aligned evaluations for this course unit may be failed by the examiner.