

Literature Study and Business Plan (I002769)

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 *(nominal values; actual values may depend on programme)*
Credits 5.0 **Study time** 150 h **Contact hrs** 45.0 h

Course offerings in academic year 2022-2023

A (year) English Gent

Lecturers in academic year 2022-2023

Stephan, Johannes FREIBE01 lecturer-in-charge

Offered in the following programmes in 2022-2023

	crdts	offering
International Master of Science in Sustainable and Innovative Natural Resource Management	5	A

Teaching languages

English

Keywords

Position of the course

Contents

The students will prepare a written thesis. It will be compilation of self-researched literature on a given specific scientific or technical question and should include possible business models to generate systems, products, services or processes. The results from the thesis will be presented in a seminar lecture and discussed afterwards. The students should attend most of the other presentations and participate actively in the corresponding discussions

Initial competences

Final competences

- 1 Consult specialist literature and interpret it critically according to scientific standards.
- 2 Plan, monitor and steer scientific research.
- 3 Collect, process, critically analyse and interpret data.
- 4 Identify new and remaining bottlenecks and research questions based on knowledge, insights and experience.
- 5 Deploy own knowledge in a creative, purposeful and innovative way in research, design and production processes.
- 6 Argue in a scientifically correct way in a multidisciplinary context.
- 7 Exhibit openness to innovative scientific developments and their applications in a broad scientific, economic and social context.
- 8 Adopt an active attitude towards permanent knowledge development, lifelong learning and steer the own learning process independently.
- 9 Clearly communicate research results in English.
- 10 Conceptualize, plan and execute independently result-oriented new concepts at the level of a starting professional.
- 11 Understand the complexity of a problem/system using quantitative methods.
- 12 Extract useful information from superfluous, incomplete or contradictory data.
- 13 Consider specifications and technical, economic and social preconditions and transform them into a sustainable and qualitative system, product, service or process idea.
- 14 Integrate aspects related to sustainable resource management into research, production, quality assessment, management and/or policy.

15 Entrepreneurial mindset to develop new ideas within a multidisciplinary context

Conditions for credit contract

This course unit cannot be taken via a credit contract

Conditions for exam contract

This course unit cannot be taken via an exam contract

Teaching methods

Guided self-study, seminar

Extra information on the teaching methods

S(WS): Seminar (2 SWS) + consultations with the supervisor (1SWS)

Learning materials and price

References

Depend on selected topic

Course content-related study coaching

Evaluation methods

continuous assessment

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

Oral examination, participation, assignment

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

Examination methods in case of permanent evaluation

Possibilities of retake in case of permanent evaluation

examination during the second examination period is possible

Extra information on the examination methods

For the award of credit points it is necessary to pass the module exam. The module exam contains:

PVL1: Written thesis

PVL2: Active participation in the seminar

PVL3: Given seminar lecture

Calculation of the examination mark

The Grade is generated from the examination result(s) with the following weights (w):
written thesis 3/continuous assessment of the problem based workshops 1/ presentation 2