

## Master's Dissertation (1002199)

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

**Credits** 30.0      **Study time** 900 h      **Contact hrs** 300.0h

**Course offerings in academic year 2022-2023**

A (Year)      English      Gent

**Lecturers in academic year 2022-2023**

Du Laing, Gijs      LA24      lecturer-in-charge

**Offered in the following programmes in 2022-2023**

	<b>crdts</b>	<b>offering</b>
<a href="#">International Master of Science in Sustainable and Innovative Natural Resource Management</a>	30	A

**Teaching languages**

English

**Keywords**

Scientific research, research techniques, scientific reporting, written manuscript, oral presentation

**Position of the course**

The master dissertation is an integration course that forms the final part of the master's program in which the scientific final competences are applied to the programme-specific knowledge competences. Students can choose the topic for their master' dissertation (thesis) in a broad range of disciplines in which the scientific staff of the master programs is active. In general, the students become involved in ongoing research within the research laboratories of their promoter(s). They can however also propose their own research topic. Students have to conduct research with the appropriate expertise in order to contribute to the development of a particular research domain. The ultimate goal is to initiate students into research at an academic level so that, upon completion of their master program, they are able to carry out scientific research in a proper way.

**Contents**

The master's dissertation is a written report of the scientific research the student has conducted. The structure of the Dissertation depends on the institution/faculty/department where the Dissertation is defended. More information about the practical procedure for the master's dissertation and about the properties, rights and duties of those involved in the master's dissertation can be obtained from the local SINReM coordinator and/or found on the website of the local institution/faculty/department.

**Initial competences**

A thorough scientific basic knowledge and knowledge of research techniques in the field of the master program.

**Final competences**

- 1 Establish a well-defined research problem
- 2 Formulate clear research questions and/or hypotheses
- 3 Establish a suitable methodology in accordance with the prevailing scientific standards of the research field
- 4 Systematically collect, search, critically interpret and integrate scientific literature
- 5 Collect data in an accurate way (existing and/or obtained through personal laboratory and/or fieldwork and/or surveys)
- 6 Process data in a correct way
- 7 Analyze data critically in a scientific context
- 8 Adjust independently the research process based on feedback from experts and critical self-

(Approved)

assessment

9 Summarize and present data in a concise manner

10 Write a report on scientific and technical information, materials and methods, results and findings

11 Handle a problem critically, creatively, quantitatively with attention for ethical, social, international and sustainability aspects

12 Act according to the principles and good practices of scientific integrity

13 Show independence, motivation, commitment, a drive for innovativeness and creativity, initiative and perseverance to achieve learning outcomes 1 to 12

14 Present, defend and frame the research results vis-à-vis peers and experts

#### **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**

Master's dissertation

#### **Learning materials and price**

Hints for task specific literature will be given.

#### **References**

Practical Research: Planning and Design by Paul D. Leedy & Jeanne Ellis Ormrod, 2009, Prentice Hall. ISBN 9780137152421

#### **Course content-related study coaching**

The master's dissertation is actively coached by the promoter(s) and tutor(s) during counseling meetings, during which the work as well as the ongoing learning process involved are reviewed.

#### **Assessment moments**

end-of-term assessment

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

Oral examination, Assignment

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

Oral examination, Assignment

#### **Examination methods in case of permanent assessment**

Participation

#### **Possibilities of retake in case of permanent assessment**

examination during the second examination period is possible

#### **Extra information on the examination methods**

The examination method depends on the institution/faculty/department where the Dissertation is defended. More information can be obtained from the local SINReM coordinator.

#### **Calculation of the examination mark**

30 % of the evaluation for the process: scientific approach, technical elaboration, commitment, problem approach, adjustment of the research process

40 % of the evaluation for the Master's dissertation report: scientific quality, technical quality, design, structure, use of language

30 % of the evaluation for the oral defence assessment: presentation (content, structure and design) (10 %) and the answers to the questions (20 %)

Note: following deliberation the jury can defer from the calculated score. This will always be motivated.

Students who eschew periodic and/or permanent evaluations may be failed by the examiner.