

Experimental Master Thesis

About the course

subject	Miljørisiko
activitytype	thesis
Teaching language	English
Registration	Registration is happening through stads selvbetjening within the announced registration period, as you can see on the Studyadministration homepage .
Detailed description of content	A Master thesis within the programme Environmental Risk combine scientific theories and experimental work to address a relevant topic, and that the acquired knowledge, skills and competences can be used in a wider context than the master's thesis itself.
Project Process	<p>The Master thesis will take point of departure in a scientific research question or hypothesis, which the student will address experimentally and analyse and discuss in a scientific manner. The process is supported by one or more academic supervisors. The supervisor(s) help to ensure that the thesis work meets the requirements of the study regulation.</p> <p>During the masters project, the student is also expected to: - participate in an internal half-way evaluation where the students will prepare a section of their master's thesis dealing with reflections on their specialisation. - write a report reflecting upon specialisation: analyse and reflect upon the particular type of professional skills the student has gained over the course of the programme, including the master's thesis with a particular focus on their selection of specialisation courses.</p>
Expected work effort (ECTS-declaration)	Work load correspond to 60 ECTS credits corresponding to about 1620 hours (i.e., full-time work)
Course material and Reading list	Textbook and primarily littérature supporting the Master thesis topic.
Evaluation- and feedback forms	The Masters will be evaluated (written electronic form) at the end of the project period. The involved teachers will also arrange a more informal oral evaluation during the project. We expect students to provide constructive critique at any time during the course if necessary.
Head of studies/ academic coordinator	Per Meyer Jepsen (pmjepsen@ruc.dk)
Administration of exams	INM Studieadministration (inm-studieadministration@ruc.dk)
Responsible for the activity	Per Meyer Jepsen (pmjepsen@ruc.dk)
ECTS	60
Learning outcomes and assessment criteria	<ul style="list-style-type: none">• Research-based knowledge of selected subject areas and understanding of and reflection on how one's own thesis research fits into its academic context• Knowledge and understanding of the academic genre and the academic target group to which the master's thesis is addressed• The competence in independently being capable of initiating, managing and completing a long-term academic research and writing process• Skills in discussing and participating in academic argumentation• Skills in applying experimental methods in a research process• The competence to identify and take responsibility for their own professional and written language development and specialisation• The competence in selecting, adapting, improving or designing experimental methods in problem-solving processes and teaching and working methods
Overall content	The aim of the module is for the students to critically, independently and in a qualified manner demonstrate the application of scientific theories and methods in the context of high-level academic experimental work in Environmental Risk. In order to ensure the quality of

the master's thesis process, the Board of Studies encourages the students to participate in an internal half-way evaluation where the students will prepare a section of their master's thesis dealing with reflections on their specialisation.

Teaching and working methods

If, as part of writing a master's thesis, a student develops a design, product or concept or otherwise contributes to a production or a design process, this will be included in the overall assessment of the master's thesis. This work must be documented in such a manner that it becomes possible to assess it. The abstract must include an illustration.

The master's thesis must include a section reflecting upon the specialisation. In the section reflecting upon specialisation, the student must analyse and reflect upon the particular type of professional skills that the student has gained over the course of the programme, including the master's thesis with a particular focus on their selection of specialisation courses.

The exemplary nature of the master's thesis ensures that the students acquire knowledge, skills and competences that they can use in a wider context than the master's thesis itself. The students are free to choose the contents of the master's thesis within the framework of the study regulation and its objectives. The ability to critically assess the quality of their own efforts and their own knowledge base in relation to a given research question is an important objective of the participatory and problem-oriented thesis work. The process is supported by one or more academic supervisors. The supervisor(s) help to ensure that the thesis work meets the requirements of the study regulation.

In the thesis report, the student must document knowledge and proficiency in using scientific theories and methods while working with a delimited, academic and relevant research question. The student must document proficiency in analysing, categorising, discussing, arguing, evaluating and reflecting on a scientific basis as well as being able to choose, and be critical of, sources, literature, theory and methods used in the master's thesis. The master's thesis must demonstrate the students' proficiency in communicating about an academic study to colleagues and to demonstrate competences in initiating, managing and completing a long-term academic study and writing process.

Type of activity

Master's thesis

Form of examination (p1)

The master thesis can be written individually or in a group. Permitted group size: 2-4 students.

The student(s) can choose between having an assessment of the thesis (the written product) solely, or having an assessment of the thesis and an oral exam.

The character limits of the master thesis are:

For 1 student: 48,000-192,000 characters, including spaces.

For 2 students: 48,000-192,000 characters, including spaces.

For 3 students: 48,000-204,000 characters, including spaces.

For 4 students: 48,000-204,000 characters, including spaces.

The character limits include the cover, table of contents, summary, bibliography, figures and other illustrations, but exclude any appendices.

The master thesis must include a summary.

The summary can either be written in English or Danish.

The summary is included in the overall assessment with a weighting of 5 percent.

Before submitting a master thesis written by a group, that have chosen an assessment solely based on the written product, each member of the group must clearly indicate which part(s) of the thesis they are responsible for. All group members are responsible for the introduction, conclusion and summary.

The oral exam is individual for students that have written the thesis alone, or students that have requested an individual exam. All other oral master thesis exams are conducted as group exams.

The oral exam will be based on the master thesis. The students begin the exam with a presentation (10 min per student), followed by a dialogue between the student, examiner and external examiner.

There may be posed questions related to the subject area(s) that the master thesis covers.

Time allowed for exam including time used for assessment for:

1 student: 60 minutes.

2 students: 120 minutes.

3 students: 150 minutes.

4 students: 180 minutes.

There will be an individual assessment of each student's performance.

The assessment is an overall assessment of the master thesis and, if relevant, the oral performance.

Writing and spelling skills in the thesis are part of the assessment and will count for 10 percent.

Permitted support and preparation materials at the oral exam: Outline on maximum one A4 size-page and presentation material.

Assessment: 7-point grading scale.

Moderation: External examiner.

Form of Re-examination (p1)

Samme som ordinær eksamen

Exam code(s) Exam code(s) : U25309

Course days:

Hold: 1

Hand-in of Thesis (starting August 2023)

time	03-06-2024 10:00 til 03-06-2024 10:00
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Hand-in of Thesis (starting January 2024)

time	01-11-2024 10:00 til 01-11-2024 10:00
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