

Environmental Management

Title	Environmental Management
Semester	E2024
Master programme in	Environmental Science
Type of activity	Course
Teaching language	English
Study regulation	Read about the Master Programme and find the Study Regulations at ruc.dk Læs mere om uddannelsen og find din studieordning på ruc.dk

REGISTRATION AND STUDY ADMINISTRATIVE

Registration	Sign up for study activities at STADS Online Student Service within the announced registration period, as you can see on the Study administration homepage. When signing up for study activities, please be aware of potential conflicts between study activities or exam dates. The planning of activities at Roskilde University is based on the recommended study programs which do not overlap. However, if you choose optional courses and/or study plans that goes beyond the recommended study programs, an overlap of lectures or exam dates may occur depending on which courses you choose.
Number of participants	
ECTS	5
Responsible for the activity	Kristian Syberg (ksyberg@ruc.dk)
Head of study	Per Meyer Jepsen (pmjepsen@ruc.dk)
Teachers	
Study administration	INM Registration & Exams (inm-exams@ruc.dk)
Exam code(s)	U60091

ACADEMIC CONTENT

Overall objective	This course will enable the students to understand and analyze environmental management with special focus on EU and Denmark,
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	including the role science have in informing decision making. The course will furthermore provide students with sufficient tools and understanding to actively include management analyses in their future work.
Detailed description of content	The course concerns the management of ecosystems, habitats and species of special interest (e.g. rare, sensitive or endangered habitats and endemic, endangered or invasive species). The course introduces relevant international and national legal frameworks for environmental management and protection and covers aspects of environmental management such as the interaction between planning, effort needs, monitoring and management as well as the scientific foundation for the management. The students will be introduced to methods and tools relevant for the implementation and enforcement within environmental management and protection.
Course material and Reading list	Pensum and reading material will be announced on Moodle ahead of the course.
Overall plan and expected work effort	The course is a 5 ETCS credit course, corresponding to an expected student work load of ca. 135 hours. • Lectures and exercises: ca. 40-44 hrs, • Preparation (including preparation for the exam): ca. 88-92 hrs, • Exam: ca. 3 hrs. We expect thus that students will spend about at least 3-4 hours on preparation for a 2-hour lecture. The course consists of 22 lectures/exercises, each 2*45 minutes (three of the lectures are optional and will only be used if some subjects require extra attention and/or if we have had to cancel previous lectures).
Format	
Evaluation and feedback	The course includes formative evaluation based on dialogue between the students and the teacher(s). Students are expected to provide constructive critique, feedback and viewpoints during the course if it is needed for the course to have better quality. Every other year at the end of the course, there will also be an evaluation through a questionnaire in SurveyXact. The Study Board will handle all evaluations along with any comments from the course responsible teacher. Furthermore, students can, in accordance with RUCs 'feel free to state your views' strategy through their representatives at the study board, send evaluations, comments or insights from the course to the study board during or after the course.
Programme	This course starts by introducing the most relevant environmental management systems, mainly related to a Danish and European context. Each of the management systems will then be addressed more in detail in series of lectures where scientific foundation, policy measures and practical implementation is addressed.

Program will be available on moodle prior to the start of the course

ASSESSMENT

Overall
learning
outcomes

After completing the course, students will be able to:

- analyse the complexity of the most important environmental challenges and the societal processes that causes these
- evaluate how science is used to inform decision making by setting thresholds etc., as well as knowledge to evaluate how production, distribution and consumption impact the environment throughout value chains
- design interdisciplinary research into a specific topic and thereby linking production and use with environmental impact
- formulate a scientific report based on a predefined topic, by drawing on knowledge applying analytical methods from both science and social science
- integrate and manage environmental challenges from both a scientific and a production chain perspective.

Form of
examination

Oral group exam with time for preparation

Permitted group size: 2-4 students

Time for preparation: 3 days

Time allowed for exam including time used for assessment:

2 students: 30 minutes

3 students: 45 minutes

4 students: 60 minutes

Permitted support and preparation materials: All

Assessment: 7-point grading scale

Moderation: Internal co-assessor

Form of Re-
examination

Samme som ordinær eksamen / same form as ordinary exam

Type of
examination in
special cases

Examination
and
assessment
criteria

The oral exam starts with student presentations followed by a dialog about the course content.

Students will be assessed by their ability to:

- analyse the complexity of the most important environmental challenges and how management aim at mitigating/reducing these.
- evaluate how science is used to inform decision making by setting thresholds etc., as well as knowledge to evaluate how production, distribution and consumption impact the environment throughout value chains
- formulate a scientific report based on a predefined topic, by drawing on knowledge applying analytical methods from both science and social science
- integrate and manage environmental challenges from both a scientific and a management.

The assessment of the oral exam is based on the student's ability to meet the criteria mentioned above and their ability to

- clearly present and communicate the scientific content of the course
- engage in a scientific dialogue and discussion with the assessors

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