



LUND UNIVERSITY

International Institute for
Industrial Environmental Economics

Course Curriculum for IMEN09 Environmental Science and Sustainable Development

1. General information

Course code: IMEN09

Course name: Environmental Science and Sustainable Development

Main field: Environmental Management and Policy

Master level. Advanced level A1N

Credits: 10 ECTS

Language of instruction: English

Approved by Utbildningsnämnd C, Lund University, Faculty of Engineering, 9 April 2014

Valid from Autumn semester 2014

2. General Description of the Course

This course is the first compulsory course of the first semester of the EMP (MSc in Environmental Management and Policy) programme. The course introduces the programme and the contents provide a basis for further courses in the programme.

3. Learning outcomes

On completion of the course the student shall be able to

- demonstrate understanding of ecological systems and concepts
- demonstrate knowledge of various sustainability challenges
- select and apply information and key messages from the course literature, and from a range of secondary sources, to assigned tasks

4. Course content

The course starts by introducing the overall programme and the associated routines in an introductory module: Introduction to practices and routines of the programme. Library facilities and practices. Writing, citing and plagiarism. Practices of the learning management platform. Introduction to programme contents.

The main body of the course is divided into four parts

Science, Systems and Sustainability

Strengthen capacity to understand and reflect on the fundamentals of science, systems and sustainability, and appreciate how different perspectives alter the manner in which we define problems and develop solutions.

Ecological Systems

Enhance skills for the analysis of ecological systems and application of ecological concepts, and increase understanding of how we can utilise ecological literacy to develop insights into socio-environmental interactions.

Sustainability Challenges I (Problems)

Improve skills to analyse and evaluate sustainability challenges facing humanity from the perspective of specific problem areas (problem-based perspective).

Sustainability Challenges II (Sectors)

Improve abilities to analyse and evaluate sustainability challenges facing humanity from the perspective of sectors (sectoral perspective).

5. Teaching and assessment

The course is designed as a distance course, but can also be offered as campus course if needed. The participant communicates via the chosen learning platform, mail, chats, phone, etc. The teaching involves readings, lectures, forums, quizzes, and assignments. Grading is based on individual performance, via fulfillment of compulsory and a choice of elective course components.

Grading scale

The following grades are used: Fail - Pass (UG).



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6. Prerequisites

Students should have been admitted to the MSc Programme in Environmental Management and Policy.

7. Literature

The final reading list is issued by the Institute no later than five weeks before the course starts.