



LUND UNIVERSITY

International Institute for
Industrial Environmental Economics

Course Curriculum for IMEN19 Environmental management in practice: technology, actors and systems

1. General information

Course code: IMEN19

Course name: Environmental management in practice: technology, actors and systems

Main field: Environmental Management and Policy

Master level. Advanced level A1F

Credits: 3 ECTS

Language of instruction: English

Approved by Utbildningsnämnd C, Lund University, Faculty of Engineering, 31 March 2016

Valid from Autumn semester 2016

2. General Description of the Course

This course is a compulsory course in the second semester of the EMP (MSc in Environmental Management and Policy) programme. The course builds on the previous knowledge built during the first semester of the programme, looks into practice of societal infrastructure on waste, water and energy, and provides an introduction to issues dealt with in more detail during the later parts of the programme.

3. Learning outcomes

On completion of the course the student shall be able to

- Recognise and illustrate the complexity of actors, disciplines, concepts and perspectives involved in the improvement of production and consumption systems
- Relate to a holistic and interdisciplinary production-consumption case as a basis for further learning in the programme
- Describe core elements of essential environmental societal infrastructure, be able to reflect on the role of the actors involved, and discuss opportunities for improvement of the systems.

4. Course content

The course mixes observation of reality through study visits with reflection knowledge-sharing in the classroom. Firstly, taking a starting point in semester 1 exploration of technical systems in home countries, visits are made to state-of-the-art plants for energy, water and waste. Observations made are discussed and put in relation to relevant trends world-wide. Secondly, a holistic, lifecycle-based, case of a specific production system is explored in detail, including on-site visits, analysing both resource flows and roles of involved actors in advancing sustainable solutions. Finding solutions in the systems, resource efficiency and preventative approaches to environmental improvements are core concepts explored in sum-up sessions.

5. Teaching and assessment

The course is designed as a series of study visits, follow-up lectures, practical exercises, and assignments.

Grading scale

The following grades are used: Fail -3 – 4 – 5 (TH).

6. Prerequisites

Students should have completed the first semester of the EMP programme

7. Literature

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