



LUND UNIVERSITY

International Institute for
Industrial Environmental Economics

Course Curriculum for IMEN27 Environmental Management in Organisations

1. General information

Course code: IMEN27

Course name: Environmental Management in Organisations

Main field: Environmental Management and Policy

Master level. Advanced level A1F

Credits: 11 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 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 notably the Business Fundamentals and Principles of Technical Systems courses, and provides a basis for both professional activities in the area, practical projects within the Corporate Environmental Management in Practice course, individual research projects within the ARSCP (Applied Research in Sustainable Consumption and Production) course, applied learning projects within the SED (Strategic Environmental Development) course, and the final thesis semester.

3. Learning outcomes

After the course the student shall be able to perform basic functions of an environmental manager and understand the various functions of a company and how these relate to environmental management. Learning outcomes are the following:

- Ability to discuss sustainability in a business strategy perspective
- Ability to critically analyse and evaluate green business strategies and their implications in the market place.
- Ability to describe and discuss fundamental aspects of industrial environmental management, including environmental management systems, indicators, auditing, reporting and communication.
- Ability to design an environmental management system according to ISO 14001 including sub-components
- Ability to explain and argue for prevention vs. end-of-pipe, including generic cleaner technology strategies
- Ability to outline components of an industrial improvement programme in support of preventative measures,
- Ability to define and discuss ecodesign principles, and to describe strategies for industrial product development,
- Ability to describe basic practices of the marketing function, and guidelines for green product communication.
- Ability to describe current approaches to corporate procurement of products/components/raw materials and services that are superior from a sustainability perspective, and challenges associated therewith

4. Course content

The course covers core corporate functions relevant to reducing the environmental impact from industrial production systems:

- Corporate environmental strategy
- Operational environmental management in industry
- Optimisation of technical systems
- Environment in product development and design
- Environment in sourcing and procurement
- Environment in marketing and sales.

In addition to in-class work, readings and assignments for the above functions the students will also take an active part in study visits and other discussions with professionals in the field.



LUND UNIVERSITY

International Institute for
Industrial Environmental Economics

5. Teaching and assessment

The course is designed as a series of lectures, practical exercises, study visits and assignments. The interaction with industry is done in various forms including direct study visits. Grading is based on both individual and group performance, via written and oral exams, 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.