



Course syllabus

Miljö och management Environmental Management

FMIF05, 12 credits, G2 (First Cycle)

Valid for: 2023/24

Faculty: Faculty of Engineering, LTH

Decided by: PLED W

Date of Decision: 2023-03-27

General Information

Main field: Technology.

Compulsory for: W3

Language of instruction: The course will be given in Swedish

Aim

The general aim of the course is that students should acquire knowledge about environmental management in companies and in society and to stimulate discussion and reflection on strengths and weaknesses of environmental tools and policy instruments.

The course should provide a basis for critical analysis of the strengths and weaknesses of environmental tools and policy instruments. In addition to this the student is trained in critical thinking, problem definition and in written and oral communication.

Learning outcomes

Knowledge and understanding

For a passing grade the student must

- be able to describe environmental management in companies and in society, including environmental tools, their possibilities and limitations
- be able to describe basic environmental economic concepts and policy instruments
- be able to discuss basic concepts in environmental legislation concepts put into practice

- be able to discuss the connections between global environmental problems and Sweden's environmental objectives as well as environmental work in practice.
- be able to discuss different aspects of sustainable development, and relate the concept to various environmental tools.

Competences and skills

For a passing grade the student must

- be able to analyse critically environmental tools, their strengths and weaknesses
- be able to formulate a problem that is followed up in an analysis at a relatively advanced level.
- be able to write a well-structured paper with proper source and language processing and to defend it during a seminar
- be able to search independently for relevant literature and be able to critically assess sources

Judgement and approach

For a passing grade the student must

- Be able to critically assess sustainability reports.

Contents

Basic concepts and principles of environmental issues are highlighted. The course should also give knowledge about economic and administrative policy instruments, as well as the advantages and drawbacks of different environmental tools, e.g. environmental legislation, life cycle assessment, environmental impact assessment, environmental management systems, environmental labelling and emission trading. The concept of sustainability and sustainability reporting.

Among the course requirements are an assignment in environmental legislation showing an understanding of the legal process of an environmental case, a discussion seminar on literature dealing with various aspects of sustainable development. A project involves a critical examination and analysis of an "environmental tool", both politically decided policy instruments and methods and tools used in the economy.

Examination details

Grading scale: TH - (U,3,4,5) - (Fail, Three, Four, Five)

Assessment: A passed assignment in environmental law, including opposition to an essay and written exam. One lecture is mandatory. The final grade is based on the essay rating and on the exam.

The examiner, in consultation with Disability Support Services, may deviate from the regular form of examination in order to provide a permanently disabled student with a form of examination equivalent to that of a student without a disability.

Parts

Code: 0114. **Name:** Report.

Credits: 5. **Grading scale:** UG. **Assessment:** Approved report and critical discussion

Code: 0214. **Name:** Examination and Environmental Legislation Project.

Credits: 7. **Grading scale:** UG. **Assessment:** Written exam and environmental legislation project

Admission

The number of participants is limited to: No

The course overlaps following course/s: FMIF065, FMIF01, FMIF15, FMIF031, FMIA01, FMIF10, FMIF20, FMIF35, FMIF45, FMIF50

Reading list

- Ammenberg, J: Miljömanagement. Studentlitteratur. Ammenberg, J.: Miljömanagement. Studentlitteratur, latest edition.
- Pihl, H: Miljöekonomi för en hållbar utveckling. SNS förlag, Stockholm. Pihl, H.: Miljöekonomi för en hållbar utveckling, latest edition, SNS förlag, Stockholm.
- Miljömålen. Årlig uppföljning av Sveriges miljökvalitetsmål och etappmål. Naturvårdsverket. Årlig uppföljning av Sveriges miljökvalitetsmål och etappmål (senaste upplagan).
- Tillståndsprövning och anmälan avseende miljöfarlig verksamhet, handbok 2003:5. Naturvårdsverket. Tillståndsprövning och anmälan avseende miljöfarlig verksamhet. Naturvårdsverket handbok 2003:5.
- The course literature this year consists of the material mentioned above. Changes in course literature will be communicated at least eight weeks before start of the course.

Contact and other information

Course coordinator: Max Åhman, max.ahman@miljo.lth.se

Course administrator: Petra Malmquist, petra.malmquist@miljo.lth.se

Course homepage: <http://miljo.lth.se>

Further information: Instruction consists of lectures, a paper and written assignments in group, and seminars.