MJ2350 Sustainability and Economics 5.0 credits

Hållbarhet och ekonomi

This is a translation of the Swedish, legally binding, course syllabus.

If the course is discontinued, students may request to be examined during the following two academic years

Establishment

Course syllabus for MJ2350 valid from Spring 2012

Grading scale

A, B, C, D, E, FX, F

Education cycle

Second cycle

Main field of study

Technology and Economics

Specific prerequisites

A minimum of 150 credits within one or several of the following subjects: technical, scientific, architecture and or economy, plus English knowledge which is equivalent to English A.

Language of instruction

The language of instruction is specified in the course offering information in the course catalogue.

Intended learning outcomes

The objective with the course is to give the student a deeper knowledge in both technical and non-technical issues concerning sustainability and its interaction with economic issues.

After the course the student should be able to:

- account for the general principles of sustainability and how it interacts with economic conditions and restrictions
- account for the principles of large infrastructure systems, ase.g.transport and water systems, related to sustainability and economics
- describe alternative measurement tools to GDP
- account for the meaning of Clean Tech for a sustainable development

Course contents

1. Replacing GDP as a measure of progress
2. Local Sustainable Development
3. European issues on Sustainability & Economics
4. Sustainable transport systems in a global context
5. Climate Change and the Conditions for Industrial Transformation
6. Corporate Social Responsibility
7. Clean Tech - Using Technology to Change the World
8. Water Resources and Management

Disposition

Lectures: 24 h (8 x 3 h)

Seminars: 32 h (8 x 4 h)

Study visits: 2 á 8 h, including student presentations

Course literature

Delges av respektive lärare och görs tillgänglig på Bilda.

Examination

- INL1 - Individual Assignments, 5.0 credits, grading scale: A, B, C, D, E, FX, F
- NÄR1 - Attendance, - credits, grading scale: P, F
- SEM1 - Seminars, - credits, grading scale: P, F

Based on recommendation from KTH's coordinator for disabilities, the examiner will decide how to adapt an examination for students with documented disability.

The examiner may apply another examination format when re-examining individual students.

- NÄR1 – Attendance, scale of grading: P, F
- INL1 – Individual assignments, scale of grading: A, B, C, D, E, FX, F
- SEM1 – Seminars, scale of grading: P, F

Other requirements for final grade

Compulsory participation at all course items (NÄR, 0 credits)

Approval on all individual assignments (INL, 5 credits)

Participation and approval at all seminars (SEM, 0 credits)

Ethical approach

- All members of a group are responsible for the group's work.
- In any assessment, every student shall honestly disclose any help received and sources used.
- In an oral assessment, every student shall be able to present and answer questions about the entire assignment and solution.