COURSE SYLLABUS

Grunder för strategisk hållbar utveckling

Foundations for Strategic Sustainable Development

7.5 credits (7,5 högskolepoäng)

Course code: SL2539
Main field of study: Strategic Leadership towards Sustainability
Disciplinary domain: Technology
Education level: Second cycle
Specialization: A1N - Second cycle, has only first cycle course/s as entry requirements

Subject area: Industrial Engineering and Management
Language of instruction: English
Applies from: 2020-01-20
Approved: 2020-01-20
Discontinued: 2023-11-30

Översättning/Translation

1. Decision

This course is established by Dean 2017-08-28. The course syllabus is approved by Head of Department of Strategic Sustainable Development 2020-01-20 and applies from 2020-01-20.

2. Entry requirements

For admission requires 120 credits finished within a Bachelor programme with 15 credits on level G2F and English 6.

3. Objective and content

3.1 Objective

The purpose of the course is for the student

• to develop knowledge about and understanding of society's sustainability challenges and the basic reasons for these.
• to develop knowledge about and understanding of a structuring and coordinating methodology for strategic sustainable development, including its scientific foundations.
• to develop skills in applying the methodology and in utilizing it in relation to commonly cited concepts, methods and tools of relevance to Strategic Sustainable Development.

3.2 Content

The course contains:
• Sustainability challenges such as climate change, reduced biological diversity, eutrophication, and reduced trust and increasing inequality in society.
• A structuring and coordinating methodology for strategic sustainable development (FSSD).
• Scientific foundations for ecological and social sustainability such as scientific laws, biogeochemical cycles, theories of human needs, social resilience and trust theory.
• Concepts, methods and tools for analysis, assessment, reporting, follow-up and planning within the area of sustainability (such as ecological footprints, factor X, zero emissions, ISO 14001, planetary boundaries, etc.) and how they relate to the FSSD.

4. Learning outcomes

The following learning outcomes are examined in the course:

4.1 Knowledge and understanding

On completion of the course, the student will be able to:
• Describe and reflect on society's sustainability challenges and their underlying causes.
• Describe and reflect on the major components of a methodology for strategic sustainable development (FSSD).
• Describe and explain scientific concepts relevant to Ecological Sustainability.
• Describe and explain scientific concepts relevant to Social Sustainability Identify and describe different tools, methods and concepts within the field of sustainable development and compare and contrast these against the FSSD.

4.2 Competence and skills

On completion of the course, the student will be able to:

• Use the FSSD to structure and coordinate knowledge, concepts, methods and tools for analysis, assessment, and planning within the area of sustainability.

4.3 Judgement and approach

On completion of the course, the student will be able to:

• Assess and critically relate to different theories, concepts, methods and tools of relevance to strategic sustainable development.

5. Learning activities

The course is given on distance. The teaching in the course includes recorded lectures, and webinars, dialogues and discussion forums in real time. The teaching also includes individual assignments, group work and reflection individually and in groups. The lectures introduce theories, concepts, methods and tools. These are deepened, applied, integrated and reflected upon through the other learning items. Teachers with many different scientific backgrounds, professional experiences and perspectives take part in the course. The students' different educational backgrounds, professional experiences and cultural backgrounds are also taken advantage of in the learning process.

6. Assessment and grading

Modes of examinations of the course

Code	Module	Credits	Grade
1805	Group assignment	3 credits	GU
1815	Individual Presentation	1.5 credits	AF
1825	Individual assignments	3 credits	AF

The course will be graded A Excellent, B Very good, C Good, D Satisfactory, E Sufficient, FX Fail, supplementation required, F Fail.

The course-PM for each course revision should include the assessment criteria and make explicit in which modes of examination that the learning outcomes are assessed.

An examiner can, after consulting the Disability Advisor at BTH, decide on a customized examination form for a student with a long-term disability to be provided with an examination equivalent to one given to a student who is not disabled.

7. Course evaluation

The course evaluation should be carried out in line with BTH:s course evaluation template and process.

8. Restrictions regarding degree

The course can form part of a degree but not together with another course the content of which completely or partly corresponds with the contents of this course.

9. Course literature and other materials of instruction

Robèrt, Karl-Henrik, Göran Broman, David Waldron,
Henrik Ny, Sophie Hallstedt, David Cook, Lena Johansson,
Elaine Daly, Jonas Oldmark, George Basile, Hördur Haraldsson,
Jamie MacDonald, Brendan Moore, Tamara Connell, Merlina Missimer, and Pierre Johnson. 2019. Sustainability Handbook.
Lund: Studentlitteratur. ISBN 978-91-44-11595-5
Compendium with articles and other material.

Översättning/Translation