



Blekinge Institute of Technology
Department of Strategic Sustainable Development

COURSE SYLLABUS

Strategisk hållbar utveckling

Strategic Sustainable Development

12,5 ECTS credit points (12,5 högskolepoäng)

Course code: SL2533
Educational level: Second cycle
Course level: A1N
Field of education: Technology
Subject group: Industrial Engineering and Management

Subject area: Strategic Leadership towards Sustainability
Version: 5
Applies from: 2017-08-01
Approved: 2017-05-26

1 Course title and credit points

The course is titled Strategic Sustainable Development/Strategisk hållbar utveckling and awards 12,5 ECTS credits. One credit point (högskolepoäng) corresponds to one credit point in the European Credit Transfer System (ECTS).

2 Decision and approval

This course is established by Dean 2017-03-01. The course syllabus was revised by Head of Department of Strategic Sustainable Development and applies from 2017-08-01.
Reg.no: BTH-4.1.1-0267-2017
Replaces: SL2509

3 Objectives

The purpose of the course is for the student (1) to develop deepened knowledge about and understanding of society's sustainability challenges and the basic reasons for these (2) to develop deepened knowledge about and understanding of a structuring and coordinating methodology for strategic sustainable development including its scientific foundations, and (3) to develop skills in applying the methodology and in critically reflecting upon it in relation to commonly cited concepts, methods and tools of relevance to strategic sustainable development.

4 Content

The course contains content related to:

- 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.
- Research areas related to strategic sustainable

development such as systems thinking, complex systems, economic theory and governance.

- 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.

5 Aims and learning outcomes

Knowledge and understanding

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

- Describe society's sustainability challenges and their underlying causes.
- Describe and reflect on the major components of a methodology for strategic sustainable development (FSSD).
- Discuss scientific concepts relevant to Ecological Sustainability.
- Discuss scientific concepts relevant to Social Sustainability
- Reflect on the relevance of related disciplines in supporting a strategic shift towards a sustainable society.
- Identify and describe different tools, methods and concepts within the field of sustainable development and compare and contrast how these relate to the FSSD.

Abilities 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.

Judgment 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.

6 Learning and teaching

The teaching in the course includes lectures, workshops, supervision, group dialogues, individual project assignments, group works 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 experience 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. They are trained in receiving and giving criticism from many different perspectives. Supervised group dialogues aim at cross-fertilization of the individuals' different expertise and experiences.

English

7 Assessment and grading

Examination of the course

Code	Module	Credit	Grade
1710	Take-home examination	3.5 ECTS	A-F
1720	Written assignments	5 ECTS	A-F
1730	Project assignment	4 ECTS	G-U

The course will be graded A Excellent, B Very good, C Good, D Satisfactory, E Sufficient, FX Fail, supplementation required, F Fail. The final grade is weighted from the partial grades on the respective examination items. A Pass on all items is required to obtain a final grade.

To be graded, the project assignment and the individual assignments must be submitted on-time. Late submissions, as well as poor-participation in project group activities, is considered as a fail for that submission opportunity, unless otherwise agreed with the course examiner. Two opportunities to perform failed assignments are offered within the next learning period. All submission deadlines are outlined in the Course PM, which is handed out at the beginning of the course. Further opportunities to perform failed assignments are provided at the next offerings of the course.

8 Course evaluation

The course coordinator is responsible for systematically gathering feedback from the students in course evaluations and making sure that the results of these feed back into the development of the course.

9 Prerequisites

A Bachelor's Degree or a professional qualification of 180 credits and English B.

10 Field of education and subject area

The course is part of the field of education and is included in the subject area Strategic Leadership towards Sustainability.

11 Restrictions regarding degree

The course cannot form part of a degree with another course, the content of which completely or partly corresponds with the contents of this course.

12 Course literature and other teaching material

Strategic Sustainable Development

Robèrt K-H., Broman G., Waldron D., Ny H., Byggeth S., Cook D., Johansson L., Oldmark J., Basile G., Haraldsson H., MacDonald J., Moore B., Connell T., Missimer M., Johnson, P. and Daly, E., Strategic Leadership towards Sustainability, Blekinge Institute of Technology, Karlskrona, Sweden, 2015.

Compendium with articles and other material.

