

Sustainable Design

Hållbar design

7.5 credits

7.5 högskolepoäng

Ladok Code: 52HD01

Version: 1.0

Established by: The Teaching Committee 2011-05-10

Valid from: Autumn 2011

Education Cycle: Second cycle

Main Field of Study (Progressive Specialisation): Textile Management (A1N)

Disciplinary Domain: Technology

Prerequisites: Bachelor of Science degree in textile technology, textile economics, business economics, industrial economics, engineering, media or design, as well as English B.

Subject Area: Leadership, Organisation and Management

Grading Scale: ECTS-credits

Content

Introduction of the concepts of sustainable development and design from a multidisciplinary perspective

- General information and review of various principles for sustainable design
- Review and problematisation of different design principles
- To conclude, students must apply the theoretical knowledge they have acquired concerning a specific design principle to a sustainability field. This course aims to achieve a multidisciplinary working process where design includes technically, socially, economically, ecologically integrated and sustainable systems.

Learning Outcomes

Once the course has been completed, students should be able:

- to describe various theoretical and applied design principles and models for sustainable design
- to describe and adopt a critical approach to sustainable design from an ethical, cultural and historical perspective
- to critically review the ecological, social and economic consequences of various design solutions, risks, possible applications and functions in work towards sustainable development, and to
- independently apply a specific design theory to a restricted challenge in the field of sustainability.

Forms of Teaching

Teaching will consist of lectures, seminars and supervision.

Teaching will take place entirely or partly in English.

Forms of Examination

The following examinations will form part of this course:

- Submitted work 1 group work 4.5 credits Grading scale: EC
 - Submitted work 2 individual work 3.0 credits Grading scale: EC
 - Seminar 0.0 credits Grading Scale: EC3
- To achieve at least a Pass for the entire course, at least a Pass must be achieved for the submitted work and participation in the seminars. Every examination will be offered on five occasions, of which at least three will take place over the course of one year. Offered examination sessions refer to scheduled exams or resits, or the stated date for written or verbal accounts.

Student rights and obligations at examination are in accordance with guidelines and rules for the University of Borås.

Literature and Other Teaching Materials

- The Nature of Design, , (ISBN: 0195173686)
- New Directions in Sustainable Design, , (ISBN: 0415780365)
- Cradle to Cradle, McDonough, W & Braungart, M, North Point Press (ISBN: 0865475873)

Student Influence and Evaluation

The views of students will be canvassed systematically and regularly by means of written course assessments once courses are complete. Student representatives will work together with the Director of Studies and the course manager once a term to review courses held. For further information, please see the College's policy on course assessments and documents prepared by the Institutional Board, Director of Studies and course manager.

Miscellaneous

The course is an optional course for a Master's programme in Textile Management with specialisation in control of textile value chains.