



Course syllabus

Faculty Board of Business, Economics and Design
School of Design

2DI672 Design and Sustainability, 30 högskolepoäng
Design and Sustainability, 30 credits

Main field of study

Design

Subject Group

Design

Level of classification

First Level

Progression

G2F

Date of Ratification

Approved by Organisational Committee 2009-12-07

The course syllabus is valid from autumn semester 2010

Prerequisites

TOEFL/IELTS test. At least 120 ECTS (two years) in the alternative Design, Architecture, Art or Crafts, and approved the work sample (portfolio).

Expected learning outcomes

The students are offered basic understanding of how to apply sustainable development in a design project. The study is deepened in the direction chosen by the students.

Module 1

Design and sustainable development I, 4.5 higher education credits

Knowledge and understanding

After completing the course the students are expected to show an understanding of the designer's new roles in a sustainable society.

Applying knowledge and understanding

The students are expected to be able to articulate their attitudes to design visually and textually via the web.

Making judgements

The students are expected to be able to evaluate and reflect on their roles as a designer from a sustainable perspective.

Module 2

Design and sustainable development II, 7.5 higher education credits

Knowledge and understanding

After completing the course the students are expected to show knowledge and understanding of the sustainable perspective as part of the design process. The students are also expected to show an understanding of the artefact life cycle.

Applying knowledge and understanding

The students are expected to be able to formulate a question in a given context leading to a project where methods and tools for sustainable development are applied.

Making judgements

The students are expected to relate to the complexity of sustainable development and be able to analyze their own view of sustainability.

Module 3

Design and sustainable development III, 12 higher education credits

Knowledge and understanding

After completing the course the students are expected to show a deepened knowledge and understanding of the sustainable perspective as part of the design process.

Applying knowledge and understanding

After completing the course the students are expected to be able to apply theories and methods founded on social, economic and ecological conditions promoting sustainable development.

Making judgements

The students are expected to be able to evaluate their design process choices from a sustainable perspective.

Module 4

Knowledge and understanding

After completing the course the students are expected to have acquired a broadened theoretical understanding of the sustainability concept from a humanistic and social perspective.

Applying knowledge and understanding

After completing the course the students are expected to have acquired the ability in writing and verbalizing to understand the sustainability concept from a humanistic and societal perspective.

Making judgements

The students are expected to be able to critically examine and problematize design concepts from sustainable macro and micro perspectives.

Content

The students are offered basic understanding of how to apply sustainable development in a design project.

The course offers a deepening in the students' chosen direction with the focus on theory and methods applied to sustainable development.

Type of Instruction

Lectures, workshops, tutoring, seminars, study visits, practical workshop studies and individual study. Some elements are carried out in the form of a project and are presented in interim and final discussions.

Examination

The course is assessed with the grades Fail (U) or Pass (G).

The grades used are Fail and Pass.

An 80 % attendance during scheduled hours is required for passing the course. For the Pass grade the expected study results are to be attained. Students at Linnaeus University are entitled to have their course grades translated into the seven-degree ECTS scale. To obtain a translation students have to hand in a written application to the course coordinator at the start of the course. Re-examination is offered once every semester. The number of examination occasions is restricted to five times.

The examination forms used to assess student performances are as follows:

Module 1

Students are assessed on the basis of an oral presentation and visual 2D material.

Module 2

Students are assessed on the basis of a written report, oral and visual presentations, a 3D model and a visualization of artefacts in their environment.

Module 3

Students are assessed on the basis of a written report, oral and visual presentations, a production document, a 3D model and a visualization of artifacts in their environment.

Module 4

Students are assessed on the basis of a written report, oral and visual presentations, a production document, a 3D model and a visualization of artifacts in their environment.

Course Evaluation

A written course evaluation will be carried out at the end of the course in accordance with the guidelines of the University. The course evaluation will be filed at the Institution.

Required Reading and Additional Study Material

Sub-course 1 Required reading

compendium.

Thorpe, Ann, latest edition, *The designer's atlas of sustainability*, Island press, 25 pages.

Fuad-luke, Alastair senaste upplagan, *Eco-design handbook*, pages 342.

Sub-Course II Required reading

Thorpe, Ann, senaste upplagan, *The designer's atlas of sustainability*, Island press, 44 sidor.

Sub-course III Required reading

Thorpe, Ann, senaste upplagan, *The designer's atlas of sustainability*, Island press, 66 sidor

Mc Donough, William, Braungart, Michael, senaste upplagan, *North Point Press*, 200 sidor.

Sub-course IV Required reading

Thackara, John, latest edition, *In the Bubble*, MIT Press.

Astyk, Sharon, latest edition, *Depletion and Abundance. Life on the new home front*. New Society Publ.