



HS105V Luminaire Design 15.0 credits

Ljusarmaturdesign

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 HS105V valid from Spring 2008

Grading scale

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

Education cycle

First cycle

Main field of study

Electrical Engineering, Technology

Specific prerequisites

Apart from completion of upper secondary schooling, incl. documented proficiency in English, you are required to have passed a BSc degree within the field of Architecture, Design and Engineering.

Language of instruction

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

Intended learning outcomes

The course aim is to give the student in-depth knowledge of methods how to construct and design light fittings, knowledge of the technical construction as well as light steering and the product design. In the course the manufacturing process will be treated, as well as materials and environmental aspects. The way of treating the subject is, in an analytic way, aiming to give the tools for developing new fixtures and taking care of the possibilities of new technique in the subject area.

Course contents

- Light functions and perception
- Lighting Design/ reflector construction
- Product Design
- Material and manufacturing process
- Energy- and environmental aspect

Disposition

For further information, please contact the teacher.

Examination

- PRO1 - Project, 9.0 credits, grading scale: A, B, C, D, E, FX, F
- RED1 - Assignments, 6.0 credits, grading scale: A, B, C, D, E, FX, 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.

For further information in English, please contact Agneta Ejhed, Phone +46 8 7904831, agneta.ejhed@sth.kth.se

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.