



HS2002 Light and Room 2, Indoor Lighting 7.5 credits

Ljus och rum 2, inomhusbelysning

This is a translation of the Swedish, legally binding, course syllabus.

Establishment

Course syllabus for HS2002 valid from Autumn 2007

Grading scale

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

Education cycle

Second cycle

Main field of study

Architecture

Specific prerequisites

Eligibility for the programme

Language of instruction

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

Intended learning outcomes

- The aim is to ensure that the student possesses the required knowledge within indoor lighting design.
- Understanding of architecture qualities and indoor spaces structures and complexity
- Knowledge of indoor analysing and design methods, the content of the conceptual work and calculation tools
- Skills and abilities to carry out a complex lighting design process from ideas to realisation, including sustainability, energy, maintenance and economical aspects.

Course contents

- Description of the methodology and tools for the indoor lighting design process
- Theoretical basis in concept and calculation for indoor lighting
- How to use the tools in a complex design process indoor
- Full-scale installations and tests
- Methods for treatments of sustainability, energy, maintenance and economical aspects
- Workbook presentation and reflections

Course literature

IESNA, Lighting Handbook, 9th ed., NY, 2000

Examination

- SEM1 - Seminars, 3.0 credits, grading scale: P, F
- PRO1 - Project, 4.5 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.

If the course is discontinued, students may request to be examined during the following two academic years.

Other requirements for final grade

Project (PRO1; 4,5cr)
Seminars (SEM1; 3cr)

Presence at mandatory lectures and seminars

Worked out and passed laboratory experiments, tasks, exercises and projects

Passed workbook reporting lectures, the design process and personal reflections

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.