



HS2007 Light and Humans 9.0 credits

Ljus och människa

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

Establishment

The official course syllabus is valid from autumn semester 2026 as decided by the Director of First and Second Cycle Education. Decision date: 2026-04-15

Grading scale

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

Education cycle

Second cycle

Main field of study

Technology and Health

Specific prerequisites

The eligibility as required for the programme, or the equivalent knowledge in Architecture or related field. For exchange students not enrolled on the programme, specific entry requirements apply in the form of a portfolio, which must be approved by the course examiner.

Intended learning outcomes

Students should gain a basic light and lighting vocabulary.

- Students will learn and discuss the importance of light and lighting for human beings' cultural, historical and social development.
- Students should be able to solve a lighting design task using light and materials as shaping elements of the physical environment and reflect over their communicative possibilities.
- Students must work on the solution of design tasks establishing connections between conceptual ideas and real life situations.
- Students should be able to justify design choices in terms of the relation between light sources, materials and human experience and the relevant conditions of the site.

Course contents

- This course is the introduction to the programme and provides terminology and fundamental concepts, placing light in a cultural, historical and social context.
- Orientation about the role of lighting for the perception of the physical surrounding.
- Introduction to design process, quantitative and qualitative characteristics of daylight and electric light.
- Theoretical and visual introduction to lighting principles and technology.

Examination

- INLA - Workbook, 4.5 credits, grading scale: A, B, C, D, E, FX, F
- PROA - 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.

The final grade for the course is based on a combined assessment of the analysis, process and results from the two assessment modules, INLA and PROA, as well as an evaluation of the student's learning process.

In INLA, the personal learning process is assessed according to the following criteria: completeness, structure, depth of reflection, critical thinking and research.

In PROA, the group's collaboration and individual performance are assessed. To pass PROA, students must carry out, follow and complete the two steps specified in the task description. The grade takes into account both reinterpretation aspects; Analysis, Results, Process, Tools, Final Result – and design aspects; Vision and Concept, Process, Final Result, Presentation.

Other requirements for final grade

To receive a final grade for this course, students must achieve a grade of E or higher in both INLA and PROA and have an attendance rate of at least 80%.

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.