HS2008 Light and Space-Outdoor 12.0 credits

Ljus och rum-utomhusbelysning

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

Architecture

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 expand their vocabulary, introducing new terms, technologies and scales.

- Students should be able to deal with urban spaces' structures and complexity, including the role of the users and the dichotomy between the diurnal and nocturnal image of the city.
- Students shall apply methods for urban analysis, and develop urban lighting concepts and execute them through full-scale applications.
- Students shall train and develop skills to work collaboratively in teams and independently reflect over their methodology and results, in order to be able to abstract them from the given context.
- Students should be able to evaluate and develop project work through self-analysis and peer-review.

Course contents

- Description of methodology and tools for outdoor lighting design process, including theoretical basis in concept and calculation for outdoor lighting.
- Fundamentals in urban planning related to lighting design and its relations to lighting master plans, sustainability and energy conservation.
- Full scale applications, functional tests and criteria for aesthetics and design based assessment.

Examination

- INLA - Workbook, 6.0 credits, grading scale: A, B, C, D, E, FX, F
- PROA - Project, 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.

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 weighted assessment of the analysis, process and results from the two examination components, INLA and PROA, as well as an assessment of the learning process.

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

In PROA, both group work and individual contributions within the group are assessed. To pass PROA, students must carry out, follow and complete all the steps specified in the assignment description. Preparatory exercises and study visits, which serve as pilot activities before PROA begins, must be completed. The grade is based on an assessment of Vision and Concept, Process, Final Result, Presentation and Revision.

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.