



# HS2001 Light and Room 1, Outdoor Lighting 7.5 credits

Ljus och rum 1, utomhusbelysning

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 HS2001 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 outdoor light planning.

- Understanding of urban spaces structures and complexity
- Knowledge of urban analysing methods, concept work and calculation tools and how these can be utilised in the light planning and realisation phases of a project
- Skills and abilities in full-scale applications and examination of qualities where the training of visual evaluation is important

## Course contents

- Description of the methodology and tools for the outdoor lighting design process
- Theoretical basis in concept and calculation for outdoor lighting
- Fundamentals in urban planning related to lighting design
- Full scale applications, functional tests and aesthetic evaluations
- Sustainability and energy conservation methods
- Workbook presentation and reflections

## Course literature

Kevin Lynch, *Hierarchy of Streets and Urban Elements*, 1969

**Roger Narboni, *Lighting the Landscape: art, design, technologies*, 2004**

**M. Rea, *Lighting Handbook*, 9th ed, IESNA, NY, 2000**

## Examination

- PRO1 - Project, 4.5 credits, grading scale: A, B, C, D, E, FX, F
- SEM1 - Seminars, 3.0 credits, grading scale: P, 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.

## 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.