



HS202V Lighting Design of Heritage Buildings and Environments 12.0 credits

Lighting Design of Heritage Buildings and Environments

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 HS202V valid from Autumn 2008

Grading scale

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

Education cycle

Second cycle

Main field of study

Built Environment

Specific prerequisites

Degree of master of Architectural Lighting Design

MA of Architectural Lighting Design

MA of Architecture with well documented experience of professional lighting design

or
other studies/professional experience, considered equivalent by KTH

Language of instruction

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

Intended learning outcomes

- To ensure that the student possesses the required knowledge of lighting design related to the special conditions of heritage buildings and environments.
- The connection between the characteristics of the historical buildings architectural elements and the quality of the light.
- Understanding of the technical demands possibilities and limitations related to heritage buildings and environments
- To be aware of and train aesthetic and functional demands in classic buildings and also giving new influences for lighting design in current buildings

Course contents

- The methodology of the professional lighting design process related to heritage buildings conditions with specified aesthetic and architectural requirements
- Studies of the interaction of material, surfaces and spaces related to the lighting
- Visual perceptual conditions in relation to preserving requirements
- Technical conditions, light sources, luminaries and control system
- Sustainability and energy conservation strategies
- Realization of lighting concepts in co-operation with the other involved professionals.

Examination

- PRO1 - Project Tasks and Workbook, 12.0 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.

Accepted project tasks and accepted workbook

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.