



LTH

FACULTY OF
ENGINEERING

Course syllabus

Ljus och färg, projekt Light and Colour, Project

IDEA50, 4 credits, G1 (First Cycle)

Valid for: 2023/24

Faculty: Faculty of Engineering, LTH

Decided by: PLED ID

Date of Decision: 2023-03-16

General Information

Main field: Industrial Design.

Compulsory for: KID2

Language of instruction: The course will be given in English on demand

Aim

To apply theoretical knowledge acquired in the course Light and Color, AAMA01, on a design project and to give an introduction to, how to handle the technical and design related challenges associated with the use of light as a physical medium, addressing environmental issues.

Learning outcomes

Knowledge and understanding

For a passing grade the student must

- the student must be able to handle the physical and technical problems related to light and colour which arise when developing a concept, problems related both to the physical properties of light and to the technical construction supporting the concept.

Competences and skills

For a passing grade the student must

- apply the knowledge acquired in the AAMA01 Light and colour course in a design project within a given timeframe.
- identify and solve the technical problems arising during the production of a functioning prototype.
- appraise the consequences of a proposed technical solution for production.

- be able to evaluate the concept from point of view environmental impact, and resource use.

Judgement and approach

For a passing grade the student must

- show evidence of critical thinking and a structured reasoning in the design process.
- be able to reflect on own and others design concepts and design processes.
- reflect the cultural mission and ethical responsibility of the designer

Contents

The course starts out with an inspirational lecture and the formulation of an assignment. In the early phase of the course, guest lecturers and study visits relevant to the assignment will be arranged. During the course of the project, individual supervision and group presentations will guide the student. Most part of the work will be done in the workshops of the school. The result will be a physical representation of the concept, which is presented orally to the group within the given time frame, and documented in writing in a physical and a digital version.

Examination details

Grading scale: TH - (U,3,4,5) - (Fail, Three, Four, Five)

Assessment: 80 % attendance required. The assessment is based on assignments for submission, independent project work, an oral presentation and written documentation.

The examiner, in consultation with Disability Support Services, may deviate from the regular form of examination in order to provide a permanently disabled student with a form of examination equivalent to that of a student without a disability.

Admission

Assumed prior knowledge: AAMA01 or equivalent.

The number of participants is limited to: No

The course overlaps following course/s: AAM030

Reading list

- Eliasson O.: Your Light House: Working With Light. 2004. Recommended reading.
- Flavin D: The Complete Lights, 1961—1996. 1996. Recommended reading.
- Turrell J: The Other Horizon. Recommended reading.
- Torres Tur: Zenithal Light. Doctoral Thesis, COAC Publications. Recommended reading.
- Printed manuals will be handed out, and relevant web sites and on-line fora will be announced at the start of the course.

Contact and other information

Course coordinator: Olof Kolte, Olof.Kolte@design.lth.se

Course homepage: <http://www.ide.lth.se>

Further information: The educational form is problem based learning.