

Course plan – *Universal lighting design*

Course code: ALDUU122 - MODULE 8

ECTS: 5

Number of semesters: 1

In study plan: MALD

Language: English

Responsible: The Master's program in Architectural lighting design - IORL

Course content

The UN Convention on the Rights of Persons with Disabilities shall ensure that disabled people have their human rights fulfilled in the same way as everyone else. Norway signed the UN Convention in 2007 and ratified it in 2013. This means that the state is obliged to comply with what is stated in the convention. This convention is often abbreviated CRPD after the English title "Convention on the Rights of Persons with Disabilities".

Norway, also have our own Gender Equality and Discrimination Act, which makes it prohibited to discriminate against disabled people in education, working life and in other areas of society. The purpose of the law is to promote equality and prevent discrimination. Equality means equality, equal opportunities, and equal rights. Gender equality presupposes accessibility and facilitation. Lack of universal design of offers aimed at the public is considered discrimination (<https://universellutforming.no/b/litt-om-universell-utforming---hva-kan-kreves>)

The course teaches the students how to create and design universally designed visual environments for everyone, by advanced lighting and visual strategies.

Prerequisites

Admission to the master's program

Learning outcomes

After completing the course, the students:

Knowledge

- has in-depth knowledge of theories and models used in universal lighting design.
- has advanced knowledge on how considerations and guidelines of universal design can be taken care of as part of an overall lighting design.
- can describe factors related to lighting and vision-related conditions, which are important for creating a good visual universal environment

Skills

- can independently and in groups can assess different environments and projects and identify challenges related to universal design
- can analyse in-depth lighting projects and propose justified lighting design solutions to take care of universal design
- can use understanding of universal design to propose justified solutions for optimal visual conditions and good visual utilization and comfort in different types of light projects

can refer to relevant literature and critically analyse it

General competence

- can be a critical participant in universal lighting design projects and act responsibly and ethically towards colleagues and other participants in common projects
- can, individually and in collaboration with others, design and clearly communicate lighting design in projects based on considerations of universal design
- can reflect critically on their own and others' practice when it comes to lighting design in connection with universal design
- can professionally argue, both in writing and orally, for solutions in the field of lighting and universal design

Learning activities

The course consists of teaching with various learning activities. Examples of learning activities are resource lectures, project work, practical exercises, group discussions, work with portfolio submissions, inspections, student presentations, as well as guidance for portfolio assignments and exercises. The work with the portfolio submissions (written / project assignments, individually and in groups) will be included throughout the semester.

Coursework requirements

The student is responsible for completing all the assignments in the course and will have to exercise independent disposition of the activities within the framework of the study. It is expected that the students largely work independently and come prepared for the teaching sessions. Lectures, demonstrations, practical activities, and project work may have compulsory attendance, and this is stated in the semester plan. A portfolio is to be handed in and must be passed prior to the exam.

Compulsory activity and compulsory attendance

In the case of compulsory attendance, attendance of at least 80% is a condition for being able to sit for the examination, cf. Regulations on studies and examinations at USN § 7-3.

Supervised professional training

None

Course expenses

Transport to company visits and seminars at external company. Necessary paper, cardboard, drawing and sketching tools, PC/Mac with sufficient software and hardware (to be announced at start of semester)

Forms of assessment

Assessment of achieved learning outcomes in the course is assessed based on portfolio assessment. Folder submissions through the course are collected in an individual digital folder that can be processed throughout the semester and students can receive guidance along the way, both from the teacher and fellow students. The portfolio must be delivered within the set time and be complete in order to sit for the exam.

Final assessment:

During the examination period, the students must individually further develop parts of their portfolio according to established criteria and submit an individual assessment portfolio. The entirety of the completed assessment file will then form the basis for the final assessment in the course.

The assessment folder is graded A-E (pass) or F (fail).

Examination support material

All sources available

Miscellaneous

Relevant regulations

UN Convention

The Equality and Discrimination Act

The Equality and Anti-Discrimination Ombudsman

The Discrimination Tribunal

The Planning and Building Act

The building code

Literature (reading list)

To be announced

Approved course plan

Randi Mork – Program coordinator

Change description

First plan ALD established May 2022