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Project module description

General module information
Title: Lighting Design: Project-Oriented Study in an External Organization (POSEO)
Type: Project module
Language of instruction: English
Location of the lecture: Campus Copenhagen / Company

ECTS points:30 ECTS

Period: 1 September 2022 — 31 January 2023

Placement
3rd semester, M.Sc. in Lighting Design

Module coordinator
Mette Hvass (coordinator), Lisbeth Nykjær and Christine Pedersen (secretary)

Academic content and relationships to other modules/semesters
The formal study plan description of the module can be found here:

https://moduler.aau.dk/course/2022-2023/MSNLIDM3204?lang=da-DK

Develop and evaluate new solutions where cross-disciplinary knowledge in the field of lighting design, can be synthesized to create innovative solutions. The focus can be exploring commercial aspects as well as socio-cultural implications and/or its use in generating scientific knowledge.

The purpose of this project module is to give the student the opportunity to acquire practical, real-world experience with developing Lighting Design products within the context of a company or an organization. The development must be subject to relevant constraints and conditions of the real-world context.

Projects can draw on any subjects acquired in previous semesters and former educations concerned with lighting design or any combination of these.

Objectives and learning goals
Students who complete the module will gain knowledge, skills and competences as follows:

Knowledge:
Evaluation of core state-of-the-art concepts, theories, techniques, and methodologies related to lighting design.
Ability to synthesize relevant lighting concepts in lighting design.
Evaluation of the design phases including identifying problems, concepts, design development, detailed design, specification, laboratory experiments, model building, mock-ups.
Must be able to understand professional, business-related, and organizational concepts that are relevant for the hosting organization and the developed project.

Skills:
Ability to synthesize market and trend analysis methods to a lighting product or installation based on light and the principals related to lighting design
Ability to evaluate lighting design related to scientific design methods, tools and technologies to create lighting designs that meet specific needs and are viable from a product, commercial, socio-cultural and/or scientific perspective.

Competencies:
Ability to evaluate and select relevant lighting theories, methods, and tools with the specific aim of working towards creating new qualitative products, commercially viable products/installations, or new knowledge.
Ability to create lighting drawings and lighting layouts that support the design process and communicate the project.

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Extent and expected workload
The project workload for the semester is 30 ECTS. 900 hours per student.

Pre-requisites for participation
The prerequisites for participation are listed in the module description (see link above).

Examination
The module is examined through a standard individual project exam. See the module description (see link above) for any further detail on requirements, examination, and assessment.

Modality and duration: Individual oral exam based on submitted report. The duration will be 10 -15 minutes presentation followed by deliberation, the exam last 45 min.

Assessment: Passed/Not Passed

Internal examination

Pre-approved aids: Report and slides for presentation of same

Prerequisites for participation: None

Further detail on the exam: In the beginning of the exam the student will do an approximately 15 minutes presentation of the developed project, after which the examiner will ask follow-up questions within the topic of the project and curriculum topics related to it. The grade will be based on a joint evaluation of the quality of the project and the oral examination

It is a prerequisite for being allowed to take part in the project examination that the project documentation is handed in on time (see exam rules).