Module Description

Architectural Project (AEE)

Titel
Architectural Project (AEE)

Content
The programme aims to develop a site-specific, technological and artistic understanding of architecture, as a response to present and future global challenges, including those defined as UN Global Goals. The second semester will focus on developing the architectural program, as a direct evolution from the investigations developed in the previous semester, incorporating the knowledge acquired on site and through the relevant technological and design network, while exercising a critical perspective throughout the process and incorporation of research methodologies acquired. The program capitalizes on the potential of a link between 1st and 2nd semesters, strengthening the requirements for a continuum and direct evolution/link between their learning goals. The projects aim towards a "building" or a "building component" scale and will be developed in detail describing their performance, materiality, artistic intention and relevance to the context, as well as exemplifying the technological aspects, which capitalize on a symbiotic, resilient and sustainable approach to building design. A focus on simulation tools to inform and assess design will be presented throughout the semester. The programme emphasizes an aesthetics that is exploratory and supports the program investigations.

Tasks

- Written architectural program.
- Generating a design project based on the architectural program, at the relevant scale and formalized with the relevant media formats.
- Workshops and lectures which will introduce the students to new tools and techniques of qualifying, manufacturing, simulating and informing performance aspects of their design work.
- Lectures and consultancies regarding technical aspects of building design.
- Lectures and seminars dealing with systems of representation artistic intentions and methodologies.
- Collective and comprehensive project presentations, incorporating relevant media as to communicate the projects process, evaluation, design and resolution.
- Oral presentation and written formulation: To produce a portfolio which is a comprehensive semester work, incorporating relevant media, including references, process, reflections and conclusions, evaluations and resolutions.
- Establishment of a collaboration or dialogue with industry partners or collaborators in general.

Courses: Art, Technology and Architecture workshop, Environmental Performance Simulation Design Workshop, Collage workshop; concept and design, Rhetoric workshop.

Attendance requirements: Students are expected to attend all lectures, workshops, fieldwork activities, reviews and tutorials and be on time.

Learning Outcomes (Knowledge, skills and competences)

Program and Project

-Knowledge of methods of critical reflection on the impact of technology on site/culture and formal aspects of design.

-Knowledge of present understanding of the implications of technology and production in our society.

-Knowledge of present technological developments related to the architectural investigation.

-Knowledge of present artistic and theoretical practices related to the architectural investigation.

-Skills in transforming the acquired knowledge into a set of design parameters for the purpose of formulating an architectural program.

Technology and Practice

-Knowledge of construction principles, from structure to envelope relevant to the architectural investigation.

-Knowledge of material performance relevant to the architectural investigation.

-Knowledge of sustainable manufacturing processes relevant to the architectural investigation.

-Skills in representation, 2d, 3d and/or alternative media.

-Skills in the use of simulation software to test performance and inform the design process.

-Skills in applied artistic design and positioning.

-Competencies in production of detailed architectural drawings and models to facilitate a critical architectural discussion.

-Competencies in developing an architectural proposal.

-Competencies in collaborations and process development, within IBT, KADK and international experts and institutions.

-Competencies in collaborations and process development with industry and practice, in Denmark and abroad.

-Competencies in oral and written presentation.

Professional progression

During the master programme's four semesters, the learning goals connected to the eight central themes set in the associated study regulations, are managed through professional progression, with each semester having a specific, but not exclusive, focus on a selection of themes. The progression is ensured through increased requirements to the level of each students knowledge, skills and competencies.

Modulansvarlig

Undervisningsformer

Pensum
200 pages minimum (titles given in the semester plan).

Submission Requirements
1. Comprehensive design material that records and reflects upon the semester's work, method and process (printed and digital).
2. Project proposal in relevant media and scales.
3. Verbal presentations for each review.
4. Visual 2d and 3D presentation material for each review.
5. Architectural program. (printed and digital)
6. Three page booklet template. (digital)

Reeksamen/sygeeksamen

Mulighed for gruppeprøve

☑

ECTS
30.0

Examination format
Oral examination, 30 minutes

Bedømmelsesform
Danish 7-point grading scale

Censurform
Internal

Evalueringstype Modulevaluering

Blok
Hele semestret (kand)

Enhed
Institut for **Architecture and Space**

KalSem
F2**7**

Modul-id

1063

Niveau (bach/kand)
Kandidat

Periode
Spring

Program
Architecture and Extreme Environments

Semester
MA2

Sprog
Engelsk

Uddannelse
Arkitektuddannelsen

UVA
AK---105-U