



Course syllabus

Boendets rum Dwelling and Space

AAHN40, 15 credits, A (Second Cycle)

Valid for: 2023/24

Faculty: Faculty of Engineering, LTH

Decided by: PLED A

Date of Decision: 2023-03-28

General Information

Elective Compulsory for: MARK2

Elective for: A4

Language of instruction: The course will be given in English

Aim

The course aims to train students in problematizing the concept of dwelling / housing through an in-depth knowledge of housing design in a changing world where social, cultural and sustainability aspects are important. Furthermore, the course aims to develop and link knowledge from previous courses through an in-depth study of the home's dimensions, use, qualitative properties and experiential values. The impact of housing on the opportunity for sustainable development is an obvious starting point. The teaching stimulates a critical attitude to today's housing construction and an ambition to experiment with new house types and ways of dwelling.

Learning outcomes

Knowledge and understanding

For a passing grade the student must

- be well acquainted with the potential of architectural design to contribute to sustainable development in a changing society
- have insight of the most important criteria for sustainable housing design
- analyse the relationship between building and a given context
- show insight into the relevance of social and cultural factors for the design of housing

Competences and skills

For a passing grade the student must

- demonstrate proficiency in architectural design of housing from a quality perspective, based on dimensions, use, experiences, sustainability, materials and details.
- demonstrate the ability to relate the design to given conditions and limitations
- demonstrate the ability to design new housing typologies
- demonstrate the ability to include aspects of construction, materials and details in own design projects
- demonstrate the ability to communicate one's own work in words, drawings and illustrations

Judgement and approach

For a passing grade the student must

- show a critical and empathetic approach to residential architecture
- demonstrate the ability to critically evaluate one's own work results during the design process

Contents

The course trains the students' ability to design high-quality housing with the awareness that the composition and way of life of households is constantly changing and can appear in many ways. Through a holistic method, students develop their ability to integrate sustainability aspects in the design of housing in a consciously treated context and with a focus on experiential values. The qualities of dwelling are examined from the small scale with dimensions, use, materials and details to the large one with the relationship to the surrounding community, buildings and landscape.

The project assignment of the course can apply to both housing in the dense city or a rural situation. Artistic aspects must be set against accepted or scientifically substantiated knowledge. The course is divided into small experimental projects in the beginning and a larger synthesis in the second part. Through early choice of a site, the contextual reading enters the project. The use of reference projects that are introduced in the linked theory course provides an introduction to method and inspiration. The task can be of the low-density type or more complex contexts. Progression is achieved by dividing the assignment into stages with an intermediate review and tutorials.

Examination details

Grading scale: UG - (U,G) - (Fail, Pass)

Assessment: Approved project and exercise assignments as well as 80% active attendance at seminars, study visits and lectures. Mandatory attendance at reviews. The qualities of the project proposal and presentation are evaluated and discussed by an assessment group consisting of the examiner responsible for the course, teachers and any external critics, after which the examiner decides whether the project is considered to meet the requirements for the grade passed. If the grade fails, the student is entitled to a re-examination after completion or reworking of the project. The examiner informs the student what is required to obtain the grade passed.

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

Admission requirements:

- ATHA10 The Theory and History of Architecture II (Year 2) or ATHA25 The Theory and History of Architecture IV (Year 2)
- ATHF01 The Theory and History of Architecture V
- AADA20 Digital Tools 5
- ASBF05 The Fundamentals of Urban Design
- AAHF01 Sustainable Technology in the Built Environment
- AAHF10 Sustainable Architectural Design
- ATHF01 The Theory and History of Architecture V
- ATHF05 The Theory and History of Architecture VI
- VBEA05 The Construction Process, Basic Course
- AADA25 Digital Tools 6
- AAHF35 Documentation and Communication
- AAHF20 Architecture - In Time and Space or AAHF26 Architecture - In Urban Contexts or AAHF30 Architecture - In the Contemporary

The number of participants is limited to: 36

Selection: Completed university credits within the program. Within programmes where the course is given as a mandatory or elective mandatory course students are guaranteed admission. There after priority is given to students enrolled in programmes that include the course in the curriculum.

Contact and other information

Course coordinator: Tomas Tägil, tomas.tagil@arkitektur.lth.se

Course coordinator: Jesus Mateo, jesus.mateo@arkitektur.lth.se

Further information: The course is compulsorily linked to the course "Dwelling and Space, theory 7,5 hp".