






Advanced Studio Built Heritage & Upcycling: N.N.

Information


 Semester: WS 25/26


 Sprache: Englisch

 ECTS-Credits: 16

 Scheduled semester: 5

 Lessons: 108 h

 Self-study: 372 h

 Module number: 6012161

Module coordination/Lecturers

Prof. Dr. Daniel Stockhammer (module coordinator)

Study Program

Bachelorstudiengang Architektur (01.09.2019)
Masterstudiengang Architektur (01.09.2019)
Bachelorstudiengang Architektur (BSc AR) (01.09.2024)
Masterstudiengang Architektur (MSc AR) (01.09.2024)

Beschreibung

The Advanced Studio - Built Heritage & Upcycling focuses on design, based on the principles of repair, reuse and circularity. Buildings are seen as material banks and repositories of knowledge for the time of their function and form. Using existing material sources and building stock as well as exemplary references, material resources and typologies are recognised and explored. The creative merging of existing buildings, inventories and new typology is a central part of the design method. The idea of a concise architectural work as a repaired or newly assembled and inhabited warehouse of building elements, characterised by tectonic clarity and great atmospheric density, is the studio's goal.

Lectures Method

Guided project work in the design studio. A seminar week focussing on the studio topic is an integral part of the design studio.



Lectures Goals

After successful completion of the course, students will be able to

Literature

Relevant reading will be made available at the beginning of the course. A list of recommended literature will be announced in the course and updated on an ongoing basis.

Learning outcomes

The students...

Fachkompetenz

- read places: examine, understand and document the inventory (you only see what you understand).
- make use of references: analyse, understand and document examples of architectural history and typologically related projects, going beyond formal aspects to grasp permanent qualities.
- make use of the inventory: use existing elements for their design.
- scale: know and understand sizes and distances and apply this understanding to work simultaneously at different scales.
- define space: know and understand the basics of architectural space on the scale of the city as well as on the scale of the house.
- interpret proportions: know and understand dimensional relationships and body proportions.
- structure: know and understand the basics of structural order and its significance in relation to spatial structure.
- materialise: use materials and elements coherent and in the sense of the idea.
- construct: recognise the relevance of constructive solutions for the design and work with them from the outset.
- create atmosphere: create spaces with their own character and a strong atmosphere.

Methodenkompetenz

- develop and evaluate advanced design and organising principles.
- formulate complex ideas and concepts under guidance and to generate and further develop space-creating solutions based on these.
- carry out literature research, evaluate collected information and link it with their own project work.
- communicate the complexity of their own project work convincingly using plans, models and various media as well as in oral and written form.

Sozialkompetenz

- work creatively and effectively in groups on the same task.
- justify, argue and defend their own point of view in the context of the group and the topic.
- evaluate and criticise their own performance and the performance of others.
- make compromises to find solutions.

Selbstkompetenz

- argue and defend a reflected ethical stance and personal values in the context of the climate emergency.
- scrutinise and further develop their own design solutions and identify, justify and defend sustainable alternatives by applying different

approaches to the same task.

- learn from experience, acquire new knowledge and develop a critical relationship to own design work.
- set themselves clear objectives and a timetable for their realisation.
- realise their design project independently and with a high degree of autonomy.
- carry out their design project with creativity, diligence and in a discipline.
- think and act in an interdisciplinary way.
- operate suitable tools safely and use them appropriately for the task and material.
- use the digital tools available at the university (e.g. scanning devices, CAD and digital lasers and printers).

Technologiekompetenz

Prerequisites (formal)

BSc AR 24: Successful completion of all four foundation studios (Grundlagenstudios)

MSc AR 24: none

Exam Modalities

Minimum 75% compulsory attendance, continuous assessment, midterm and final reviews.

The final grade is calculated according to the weighting of the following components: design project (80%) and final presentation (20%).