



Independent Studies

Systematic Sustainable Catalog

Sustainable Design

Teachers: Prof. Dietrich Schwarz and Dipl.-Ing. Wolfgang Simma Wallinger

Module type Individual Elective
ECTS selectable 4-3-2 ECTS
Taught units per semester (in units of 45 minutes) 8-6-4
Private study time (in hours) 114.0, 85.5, 57.0 Min. Frequency Twice a year
Language English Assessment: Minimum 75% compulsory attendance, regular meetings with instructors, continuous assessment, portfolio and final review. The final grade is calculated according to the weighting of the following components: final submission (80%) and oral presentation (20%).

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In this module, you will engage in a detailed analysis of a sustainability indicator such as Environmental, Social, and Governance (ESG) criteria, Sustainable Development Goals (SDGs), or building standards like LEED or DGNB. You will explore how these indicators can be integrated into a sustainability matrix. The scope and complexity of your research, as well as its relevance to architectural inquiries, will determine the workload, which will be agreed upon in consultation with your supervisor. Your interests and prior knowledge will be taken into consideration at the outset of the project.

This elective module provides an opportunity to engage in research focused on defining sustainable building practices within the Alpine Rhine Valley. In alignment with ongoing research at the LSA, the module is centered on the development of a comprehensive catalogue of themes related to sustainable construction. Through comparative analyses of building labels and broader sustainability frameworks, you will examine how these themes can guide sustainable architectural practices in the region. This module presents a unique opportunity to contribute to the academic discourse on sustainability and to shape future building practices.

Participants will conduct self-directed research working either individually or in collaborative groups. The scope of your work will be customized to align with the specific requirements of your project and will be overseen by the research unit. Essential literature and resources will be provided at the start of the course, with continual updates throughout the semester to support your research on sustainability in architecture.