



Independent Studies

Product Evolution Fluidglass

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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Research in Sustainable Architecture – Focus on Fluidglass

This elective module invites participants to explore the transformative potential of Fluidglass technology within the realm of sustainable architecture. In alignment with the ongoing research at the LSA, this module allows you to examine how innovative facade technologies such as Fluidglass can influence the future of construction. Participants will have a unique opportunity to contribute to the advancement of Fluidglass in the context of sustainability and contemporary building practices.

Depending on the desired credit allocation, tailored work packages will be developed. These may include an exploration of current advancements in facade technology, competitor and market analyses, or technical and cost simulations. Your interests and prior knowledge will be taken into account during the initial phase of the project.

Participants will engage in self-directed research, working either individually or in collaborative groups. The scope of your work will be customized to meet the specific requirements of your selected work packages and will be guided by the research unit. While there are no formal prerequisites for this module, it is advisable to undertake it in the third semester to build upon foundational knowledge. Essential literature and resources will be provided at the commencement of the course, with regular updates throughout the semester to support your work and great importance is placed on equipping the participants with a strong foundation for future projects and scientific work in the field of sustainability.