FH MÜNSTER
University of Applied Sciences

MSA FB Architektur
Münster School of Architecture

[redacted]

Winter 23/24

ma.wm.1 Elective Module

course

Marcel Müller, M.A.

lecturer

re:thinking material

title

In the elective module re:thinking material, the functionality of different façade materials in the field of tension of building research between ancient and promising building constructions is worked out, as well as the most important aspects of integration into the building and its life cycle are developed.

1:
Technologies in the context of long-term efficient, sustainable and self-sufficient structures
2:
The development and elaboration of various construction methods
3:
From the conceived construction methods, independent thematic or conceptual designs (group work) for model studies are developed.
The aim is to deal with complex relationships between material and detail.
Constructive methods are designed, analysed and applied from an established understanding of building materials.

topic

- green architecture for a sustainable future , Cayetano Cardelus Vidal
- Sustainable Facades: Design Methods for High-Performance Building Envelopes
- Biomineralization and Successive Regeneration of Engineered Living Building Materials
- Performance von Gebäuden , Voss, Herkel, Kalz, Lützkendorf, Maas, Wagner

recommended reading