

Form Studies & Design of Construction

MSc 3/4 Technologies & Aesthetics



Visual by Max Mehl, design for MSc2 Delta Shelter in 2021

Tutors

Ulrich Knaack
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Code	AR3TA001
Credits	55 ECTS
Location	NW Europe
Excursion	Yes
Costs	t.b.d.

Climate change and increasing demands on material use and re-use forces the architect to constant technical innovations and re-thinking of the expression of architecture. In this graduation studio we want to explore the relation between the technical design innovations and the demands and consequences of climate change for the specific architectural form language / aesthetics that comes along with and belongs to these developments.

The studio will offer 3 topics on which research and design will focus;

- Developments and architecture expression regarding the use of PV cells
- The specific architectural expression and use of paper as construction material
- The development of an architectural and structural language related to climate change in urban or rural settings.

The goal of the studio is to come to an architectural design of a small to medium size building where one of the specific topics is fully integrated in the architectural and technical design. We strongly believe that experimenting both during the research and design phase is essential to come to new insights for the architectural language. It's also therefore that the use of both physical and digital models is seen as an important research and design tool. Even 1:1 prototyping can possibly be part of research or design.

Some research will be done in groups but all outcomes will be shared and discussed with the whole studio to stimulate the exchange of ideas and insights. Finally, students will make their own design brief, choose a location, and develop an individual design. The locations are situated in Northwestern Europe where social or climate related problems are relevant or suitable for the studio topics.