FH MÜNSTER
University of Applied Sciences

MSA FB Architektur
Münster School of Architecture

Source: Overtreders W - Zero Waste Barn

Master

Summer 23

ma.m2.3 Design II

course

Solar Futures

lecturer

Prof. Dipl. Ing. Ulrich Blum

title

In the context of climate change, architecture must employ system thinking methods by integrating a variety of energy- and resource-saving methods into the design. The aim of this superstudio is to raise awareness of the topic, to develop knowledge and to sketch out future visions through speculative design proposals that contribute exemplary solutions to the discourse.

The task is based on the premise that a settlement should be built under a continuous solar roof that can accommodate a variety of functions such as housing, work, trade and culture. Mobility, food production and water systems should also be considered so that the settlement can be largely self-sufficient.

In conjunction with a supplementary seminar that teaches parametric processes and an elective module that deals with innovative design and idea finding techniques, the Superstudio offers an opportunity to delve into the problems and challenges of climate-friendly architecture and to learn innovative design methods.

topic

Flourish - Design Paradigms for Our Planetary Emergency, Sarah Ichioka und Michael Pawlyn
From Cradle to Cradle, William McDonough & Michael Baumgart

recommended reading