FH MÜNSTER
University of Applied Sciences

MSA FB Architektur
Münster School of Architecture

Bachelor

Winter 23/24

ba.m3.3 Building Construction (Frame)

course

Prof. Kristina Sträter

lecturer

Research Lab - Recycle Lab

title

Building construction in the 3rd semester opens to students the construction methods of skeleton construction. The lecture imparts knowledge of the components of skeleton construction - columns, beams and axial grids - and of the principles of joining and bracing.

The subject of the structural design in this course is a "research lab" at the planned Science Boulevard at Münster University. The building will be designed from reused façade components of circular building platforms and could be used by individual research teams as an open laboratory present in the urban space: from research lab to recycle or resource lab. Supporting structures made of steel and wood are considered.

Detailing of the load-bearing structure and joints of foundations, columns, beams and nodes - in cooperation with the associated module ba.m3.3. load-bearing structure.
Lectures and exercises, weekly in attendance, work in teams of two.

topic

Zuschnitt, magazine, download www.proholz.at
Edition DETAIL, Atlas Recycling, Gebäude als Materialressource, Hillebrandt, Riegler-Floors, Rosen, Seggewies
Constructing Architecture, Andrea Deplazes
BUK, Bautechnologie und Konstruktion, ETH Zürich, Daniel Mettler u. Daniel Studer

recommended reading