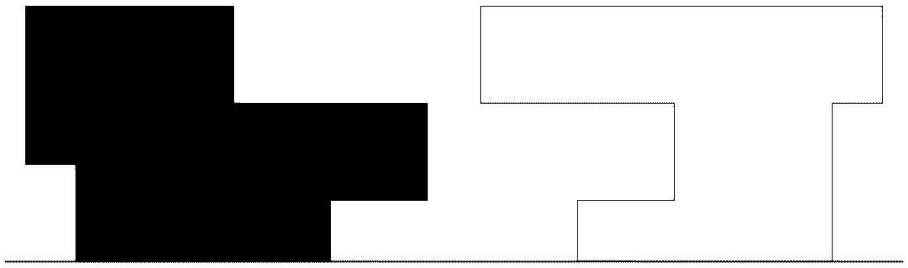
FH MÜNSTER
University of Applied Sciences

MSA FB Architektur
Münster School of Architecture



Bachelor

Winter 22/23

ba.m3.2 Building Construction Basics

course

Prof. Dipl.-Ing. Kristina Sträter

lecturer

function follows form

title

Buildings are volumes. The designer shapes the volume, the shape is designed. Space is created inside. Which function reinforces the spatial experience?
Through volume studies we approach the basic principles of solid construction. How do volumes change through incisions, undercuts, cantilevers and additions. What form is developed further, what spatial effect and use of space is created inside?
The two semesters teach the structural principles of masonry and reinforced concrete construction. Load transfers are made through load-bearing solid walls. Buildings are detailed structurally from the floor to the roof. Joining principles of solid construction are learned.

Lectures and exercises, weekly in presence.
Work in teams of two. Excursion in the 2nd semester.

topic

Constructing Architecture, Andrea Deplazes
BUK, Bautechnologie und Konstruktion, ETH Zürich, Daniel Mettler u. Daniel Studer

recommended reading