

COMPLEX PROJECTS

MSc Elective MAKING



Source: Leipzig 1945, Richard Peter, copyrights by Deutsche Fotothek

Tutors

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Code	AR0136
Credits	5 ECTS
Location	BK / NL
Excursion	tbd
Costs	ca. €30,- pp

MAKING is a special course that combines research and design with a practical hands-on workshop, focused on designing and making objects of concrete and/or timber with specific, innovative properties and expressions.

The course provides students with theoretical and practical insight in the interdependencies between research, design, testing, experimenting, constructing, making, and the final architectural expression. Because, after all, the design and choice of the material with its practical possibilities and impossibilities, has ultimate consequences for the performance, durability and aesthetics of the built object.

This year, MAKING will focus on the design of building elements that possess multiple purposes or uses. We already see many efforts and steps taken to act and become more circular in the built environment, but often still limited to reuse, restore and renovate or recycle.

MAKING challenges students to develop elements with more than one feature or application, and thus reducing energy and material demands in the longer run.

The developed proposals are based on individual and group research and design work. Besides research consults and design tutorials, the teaching method involves a lot of practical work. For the concrete based projects, this consists of building formwork, pouring sessions, and developing casting and formwork-removal strategies. For the timber focused projects this course explores the possibilities to create solid timber building blocks and elements without the use of any chemical glue or steel connectors, starting from self-found waste wood. Combining concrete and wood in hybrid elements is supported.

During a final presentation event with feedback from professionals, students will present their experiments, competition panels and prototype products.