

Complex Projects

MSc1 Complex Projects Design Studio

Dutch Change: Building for science and learning



Collage showing the dissection of the city by Ananda Jaganathan. The image is based on the scale model of anatomy theatre built at Padua in 1594 (CC BY 4.0).

Tutors

Manuela Triggianese
Esther Gramsbergen
Henri van Bennekom

Code	AR1CP011
Credits	10 ECTS
Location	Rotterdam
Excursion	Yes [Lille/Paris]*
Costs	+/- 300

*travelling by train

Stepping away from existing single faculty buildings and campus environments how should the new generation of educational buildings look like?

As an introduction to Complex Projects, the MSc1 design studio 'Dutch Change' focuses on the Netherlands' ground. In fall 2023, the studio focuses on the architecture of 'buildings for science and learning' in the context of the Dutch Delta.

In the southwest part of the Randstad region, the ambition of TU Delft is on future expansion within the city of Rotterdam and with Erasmus University and Erasmus MC. A promising field for conversion is medicine and technology and a promising site for projecting a new multi-disciplinary education building is the Waalhaven area in Rotterdam South. The studio connects the changing world of science and higher learning to the urban challenges of a harbor area in transition by designing a single building or a small group of buildings for a combined medical technological curriculum.

Multidisciplinary education and multi campus are the buzz words in university's future scenarios, but what are the spatial implications and potentials of this? And how does the ongoing digitalization affect the spaces in which we learn and research? How can a building for higher education be well embedded in its direct surrounding and at the same time function in a regional network? How can it become an asset to reach out to new groups of students? The studio will attempt to answer those questions.

The assignment starts from a broader understanding of the physical context, it's past and future planning, environmental issues and climate adaptation on the one hand and an in-depth understanding of the building typological developments of spaces for sciences and learning on the other hand. Site visits to exemplary educational buildings in Europe are included in the program.