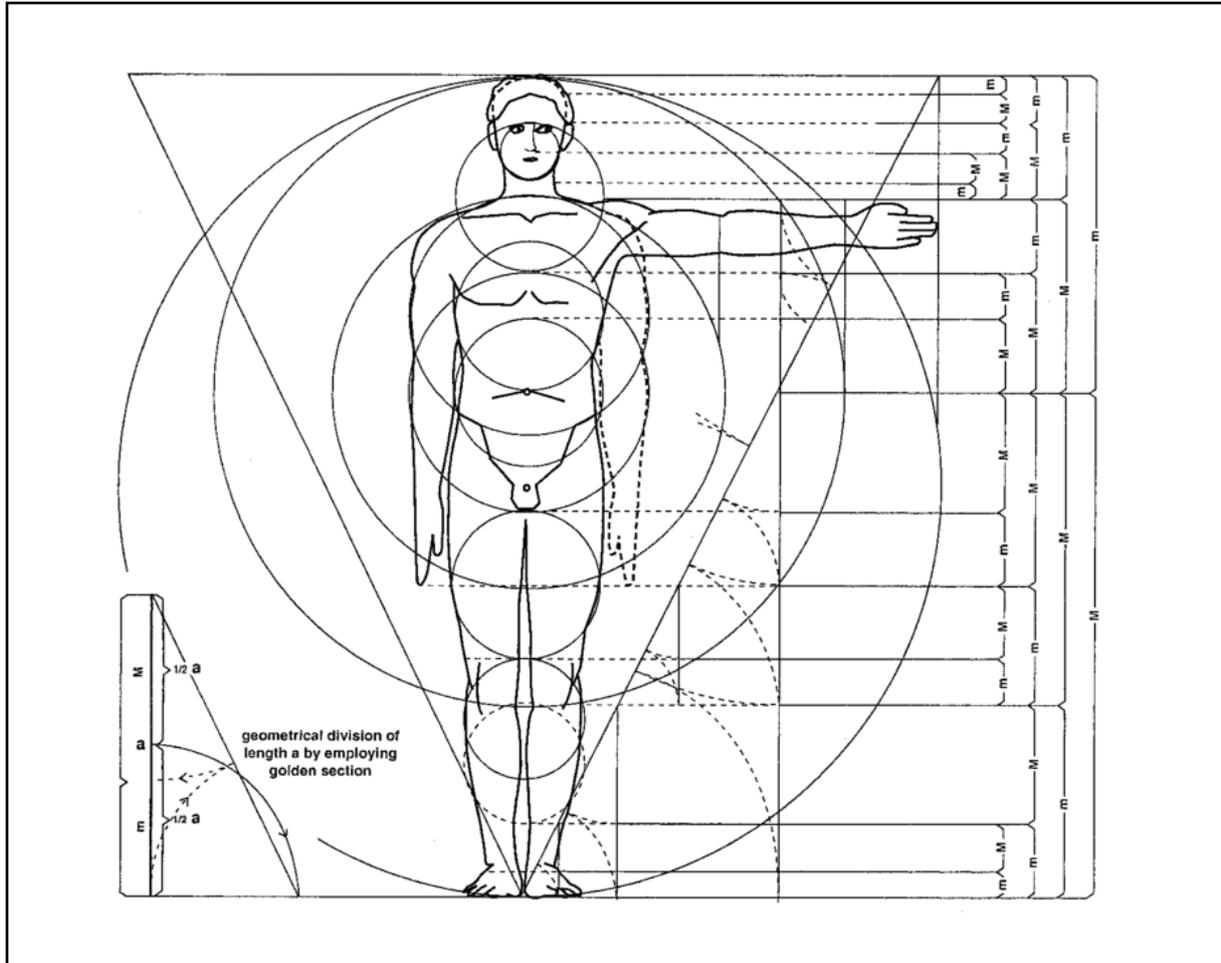# COMPLEX PROJECTS

MSc3&4 Bodies and Building

in collaboration with Theory of Architecture and Digital Culture

geometrical division of
length a by employing
golden section

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Code	AR3CP010
Credits	55 ECTS
Location	Berlin
Excursion	Berlin*
Cost	800 euro (excursion is not mandatory)

* only in the EU, green/yellow zones are allowed

The primary focus of Complex Projects Graduation Studio is the Building. The Building creates space, light and shelter for people to work and live. The Building is rendered by specific time and context, while it is the result of bodies' requirements related to measures, movements, comfort, experience, safety, security...

Due to advancements in data since, and building information modelling, building design becomes increasingly integrated, dense and layered. At the same time, bodies demand more from the Building. Flows need to be faster, processing times quicker, security levels higher, and the interior climate better. In consequence the Building becomes more efficient while also growing larger and more complex. Enhanced by technological development of services, the Building design comes closer to product design such as applied in cars or bikes. Increasing digitalisation is not only present in the design process, but also in the Building itself, as it slowly gains the ability to collect data to be used for performance optimisation and future design benchmarking.

In order to investigate the topic, students will be given the task to design 'One of Berlin'. Each student will choose a large **Complex Building**, which is functionally specific and therefore 'one of' in the city: e.g. parliament, hospital, airport, stadium. While researching the Building, students will go through various scales and subjects: global relevance, the urban context of Berlin, specific building concepts, functionalities and technology, materializations and critical details. In the first semester, after choosing the Building, students will conduct research, collect data and translate it into the **Design Question**. The final output of the first semester is a **Design Brief**. The second semester will be used to provide an answer to the brief in a form of the elaborate **Design Proposal**.

The aim of Complex Projects graduation studio is to develop a methodological and structured approach to the design process. Confronted with the complex and demanding design assignment, students learn how to process, organise and use a large amount of data.