Leeds International Summer School

Digital Design and Fabrication

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Digital design and fabrication are revolutionizing the construction industry. These digital technologies give designers the ability to produce models and prototypes to advance real-world construction processes. In this module you will gain an understanding of digital design. You will also have the opportunity to develop your skills in fabrication processes. You will consider key questions including:

• How can design move from ad-hoc architectural solutions towards systems embracing flexibility and de-constructability?

• How can digital design and fabrication support the development of these systems?

You will learn the basics of digital design through the use of programmes and applications such as Rhino and Grasshopper. You will develop a design proposal from conceptual design to detail. In doing so you will develop a deeper understanding of the performance of structures. You will also consider how forms and configurations can be manipulated for design purposes. You will then fabricate a scaled physical model based on the proposal. This module is suitable for students who study architecture, structural engineering and related fields. You are expected to have some basic knowledge of parametric design modelling and/or architecture/structural design.

18 - 28 July 2022
At University of Leeds | UK

All details available at:
Block 2 modules | University of Leeds

Deadline for applications: 1st May 2022

Level 1 summer school