

48-545 / 48-745 Design Fabrication

This course serves as an introduction to digital fabrication methods through an applied overview of the resources available in the School of Architecture's Design Fabrication Lab. A series of exercises sequence drawing, computer modeling, and simulation in a recursive cycle through which students will learn to balance design, intuitive making, as well as material exploration. The discourse between design and fabrication is shifting as the tools they are reliant upon become increasingly more sophisticated. Students will be challenged to strive towards a digital literacy that fosters a critical engagement with the technology, oscillating between virtual simulation and representation. Through a structured disposition of design assignments, the nature of these tools will be exploited to rapidly produce and evaluate within an iterative design process.