Recent years have seen a rapidly growing dependance among critical practitioners in the innovative use of design/fabrication. This seminar takes a precedent approach to explore in-depth the processes of design and construction of building assemblies, with an emphasis on the theories and technologies behind leading-edge design/fabrication strategies. Students who successfully complete the course will gain knowledge necessary to address a broad range of design and fabrication issues encompassed by design/fabrication practice.

Topics of study include: design/fabrication typologies • technical performance • sustainable strategies • prefabrication methodology • current and future developments in design/fabrication.

The course is organized into three phases:
1. Readings and discussions on fundamental concepts in design/fabrication
2. Case Study Research Project
3. Final Project

In the Case Study Project, student teams will independently research, analyze, and document the design/fabrication system of a recent project. The course culminates with the Final Design Project in which each student will develop and detail a drawing system of the project, documented in drawings and laser cut pop up model. Evaluation will be based upon class participation, assigned readings/homework, the Case Study Project, and the Final Project.