OPT1ON STUDIOS

4. constructed architecture_steve lee

"What is unique to the designerly way of learning is that it involves making, crafting in conversation with the world in order to understand and shape it."
Andrea Mignolo, "Learning Through Worldmaking: The Design Way"

Background

Constructed Architecture is part of a year-long, interdisciplinary, design-build project to improve the quality of life through design intervention(s) on campus. In the spring, we will continue to work with Campus Design & Facility Development, the Department of Civil and Environmental Engineering and campus constituents. The project is fully funded and the expectation is that the objects will be turned over to the campus by the last day of classes in the spring semester.

Design: during the fall, the students identified sites and opportunities for design interventions, developed a catalog of design proposals, reviewed and selected proposals with clients and developed design development drawing packages and prototypes.

Build: during the spring we will on-board Jon Holmes (SoA Shop Director), Brian Belowich (CEE Shop Director), Sarah Christian (CEE Professor), and CEE students to complete construction documents, develop project management plans, build full scale prototypes, procure materials and construct/ install the object(s) on their site(s).

Vertical Integration: an explicit intention of this studio is to integrate students at different points in their degree programs and students from other degree progams to maximize self-learning and to learn how to work in multi-year and multi-discipline teams.

Program

The two fall mini's produced three awesome design proposals that have been reviewed by our "clients".We will start the semester by reviewing the design proposals and through a collaborative process determine what we can build in terms of budget and workforce. The tasks include but are not limited to:
• Developing & completing construction documents and project management plans
• Building full scale prototypes
• Revising construction documents based on evaluation of prototype(s)
• Specifying and procuring materials
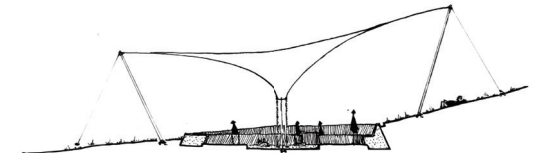• Constructing/ installing the object(s) on their site(s)

Learning Outcomes

As a result of this course, a student should be able to:
• Collaborate with others - both inside and outside the discipline of architecture
• Integrate systems - structural, material, enclosure and formal
• Develop criteria and evaluate multiple design alternatives
• Draw technical documentation using the conventions of architectural representation
• Translate design proposals into built form

1. jared abraham
2. stefani danes
3. eddy man kim

4. steve lee

5. tommy yang

Images from the A1 Mini Course, F21:
Top: Frames - Kimberlyn Cho (B.Arch '22),
Middle: The Lotus - Steve Wang (B.Arch '22)
Bottom: Passive Workspace - Brendan Bogolin (M.Arch '22)