This sequence of two graduate design modules will leverage materials research and design-build practices for the design, fabrication, and construction of several “learning kiosks” at the Wargo Nature Center in Anoka County, MN. The modules will provide a distinctive learning experience, unique to design-build projects, which will integrate the skills and knowledge of students, faculty, practitioners, industry collaborators, and our community partners in Anoka County Parks and Recreation. Furthermore, these courses will help establish a model for future design-build projects by faculty and students that will expand the core missions of the School of Architecture and the College of Design by advancing design education through making.

**MODULE 01**
The first-half module (Jan 20 – March 04) will foreground site analysis, client and community interviews, materials research, case study analyses, and design development. The research work in the first half module will be shared across the studio with the bulk of design work being produced in several small teams working in response to the collective research and the articulated needs of our community partners. The first-half module will conclude with design presentations to representatives from Anoka County Parks and Rec, the YMCA of Anoka County, local professionals and practitioners, and CDes faculty, who will help select several designs to develop in more detail during the second-phase of the project. The number and variation of projects chosen for continued development in the second half module will depend on the specific needs of the community partners and the resources made available for the project.

**First Half Module at a Glance**
Weeks 01 – 02: Client Interviews + Site Analysis + Precedent Studies
Weeks 02 – 04: Materials & Fabrication Research + Assembly Systems Identified
Weeks 04 – 06: Schematic Design + Design Development

**MODULE 02**
The second-half module (Jan 21 – May 06) will entail the continued refinement of the designs that are chosen from the first-half module through prototyping, full-scale mock-ups, detailing, fabrication, and sub-assemblies. The project teams will work closely with the clients, local industry partners, and practitioners who will offer expertise and feedback to prepare the projects for final assembly.

**Second Half Module at a Glance**
Week 01: Client Feedback + Site-work Development
Weeks 02 – 04: Materials/Fabrication/ Details/ Assemblies Development
Weeks 04 – 06: Full-scale Mock-ups + Sub Assembly Production

The final on-site assembly and installation of the projects is currently scheduled to occur during the Summer of 2016 (May 23 – Aug 05). The total number of students hired to participate in the summer build will be determined by, and will depend upon, the material and financial resources made available for the project and the overall scope, and scale of the final designs.

**Please Note:** Students may enroll in either module and it are not required to participate in both halves. However, some consistency across the two modules will be crucial to the success of the project(s). Also, the size, organization, and make-up of the build and installation team (during the summer of 2016) will depend on available resources and may not be determined until the end of the second module.