**DESCRIPTION:** This studio offers students an opportunity to work on the design-and-build of a project with real and immediate parameters. The project for Ridgeline Montessori is a project with the potential for several small projects. Initially, the studio will focus on creating a plan that accommodates a number of small structures and activities (outdoor classroom, gardens, composting, potting/tool center, rainwater collection, bike shelter, circulation, connections, and many small elements that will connect place to environment and create a great campus). The budget is reasonable; middle-school partners are actively engaged and, if the studio is full, more than one small structure or components could be built in during the Spring quarter (J.Rowell_A dv. Technology_4).

**OBJECTIVES:** During the Fall quarter, a project team reviewed Land Use/Zoning Codes, analyzed Site, defined Program, sought Precedent Studies ... and began Scheming. This Winter, the project team(s) will finalize Schematic Design, develop an integrated approach to materials and structure, fabricate studies and details. Equal attention will be given to appropriate sustainable measures, and client needs and budgets, as well as the logic of construction. Students will integrate their solutions within the larger context, incorporate the work of consultants, utilize models to investigate construction techniques, refine the design, and develop Permit Sets. Rich, knowledgeable Working Drawings will incorporate additional drawings needed to build.

**METHOD:** This designBridge studio is intended to be hands-on and largely co-operative: faculty guided and critiqued, student managed and designed, client-engaged. The approach requires students to define clear objectives for the project, to utilize individual studies to contribute to and inform group decisions, and to evaluate/revise those decisions. The changing criteria of a project is one that is rarely encountered in the studio environment, always encountered outside that environment. Students will be asked to promote and stimulate the growth and development of this project. We will construct details and mock-ups, consult with landscape and building professionals, interact with governmental agencies, prepare artifacts and documents for permits and presentations. For the length of the term, students will be asked to be active members of a project team and attend regular weekly (Wednesday) designBridge meetings.

**PREPARATION:** Over the break, students are asked to read one book (or dense essay) regarding the details of construction, how materials are joined, their relations to design intent. Divisible By 2, A Hut of One’s Own, James Rose, Detail - Jan-Feb 2000 or Nov-Dec 2006, Details of Modern Architecture, Siah Armajani’s work, ... or email instructor.