**PROJECT DESCRIPTION:**
Oregon BILDS is an emerging residential design-build studio program that has been developed through a generous grant from the Meyer Family Foundation. BILDS stands for “Building Integrated Livable Designs Sustainably,” which describes the overall goals of the program in which UO Architecture, Landscape Architecture, and Interior Architecture students will design and construct one residence per year. The intention is to initiate the program Fall term, 2013. This studio will work to establish site design and unit design strategies for the first 3 – 5 years of the program.

**PROTOTYPICAL DESIGN-BUILD PROGRAMS**
Nationally, there are three successful university-based design-build programs that consistently produce one house per year. These programs are at Yale, Tulane, and Kansas; and our nascent program at Oregon will draw lessons from each of these examples. These schools each have a unique academic focus and engage students and the local community in different ways, but they share the common goal of the annual production of a single-family house. Our school has a long and rich history of design-build education, but we have never built a residence.

**A LOCAL MODEL:**
To succeed both pedagogically and financially, the Oregon BILDS model has been designed to produce a small, affordable residence that responds to a local market while also focusing on low-tech, sustainable strategies. Study of local examples and the advice of local real estate experts will inform design choices.

**THE STUDIO:**
The studio will work collaboratively toward developing individual site designs and unit designs for a 0.29 acre site in west Eugene. The site will accommodate from three to five detached single-family units to be constructed by A&IA and Lane Community College students in future years. The first few weeks of studio will be dedicated to defining the problem in terms of program, energy performance, code restrictions, and market forces; and each student will propose site and schematic unit(s) designs. The studio will then focus on unit designs with the end goal being the development of a comprehensive site design for several units plus the development of one unit design.

**DESIGN ISSUES TO BE STRESSED:**
In the first part of the term, site analysis, zoning codes, and environmental site response strategies will lead to the generation of schematic site design proposals. Later, each student will be expected to develop a schematic design for one residential unit. Finally, site and unit designs will be synthesized and developed, refining the character of the project with special emphasis on materials, building systems, and construction details. Overall talking points will include:

- The nature of sustainable architecture and affordable residential design.
- Fundamentals of residential design – site design, building design, budget, legal restrictions.
- Integration of building technology to support the spirit of the project.
- Relationship of interior spaces to the landscape and vice versa.