OREGONBILDS
FALL STUDIO/2013

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PROJECT DESCRIPTION
OregonBILDS is an A&AA residential design-build program that has been developing over the past few years. In this program, Architecture, Landscape Architecture, and Interior Architecture students will design and construct a residence each year. This fall studio will be the first to design a house and garden that will actually be constructed by the OregonBILDS program. BILDS stands for “Building Integrated Livable Designs Sustainably,” which describes the overall goals of the program. The product of the studio will be a set of permit drawings for a house and garden that will be constructed on a lot in west Eugene during winter and spring terms.

RESIDENTIAL DESIGN BUILD PROGRAMS
Our school has a long and rich history of design-build education, but we have never built a residence. We also have a faculty with extensive award-winning experience in residential design, but our students have never built a residence. This program is designed to give our students that experience while working with the local community to provide quality affordable housing. The potential is to produce a model that is beautiful, practical, and replicable.

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

THE STUDIO:
The entire studio will work collaboratively toward developing a single design that can be constructed by UO and Lane Community College students. 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 make an individual proposal for a design. The studio will then work collectively to synthesize the best elements of each design into a single cohesive proposal that will be developed through the rest of the term. The end result will be a set of drawings that describes the proposed house and garden at the level required for a building permit.

DESIGN ISSUES TO BE STRESSED:
In the first part of the term an analysis of the site, environmental response strategies, and preliminary budget analyses will be central to the generation of schematic design proposals. Later in the term, the focus will shift to design development: 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.
• Fundamentals of residential design – site design, building design, budget, legal restrictions.
• Integration of building technology to define / support the spirit of the project.
• The potential for efficiencies to be found in prefabrication.
• Collaboration, teamwork, and the role of the individual in the design process.

AIA award-winning house designed and built by University of Tennessee students in 2013

House designed by OregonBILDS students in 2012