PROJECT DESCRIPTION: OregonBILDS is a residential design-build program that has been active for the last 10 years. In the past, Architecture, Landscape Architecture, and Interior Architecture students have historically designed and constructed one affordable residence each year. BILDS stands for “Building Integrated Livable Designs Sustainably,” which describes the overall goals of the program.

This spring studio will be focused on a larger development of up to six residential units on a site in Cottage Grove, Oregon in partnership with Habitat for Humanity Lane County. The studio will design a site plan and residential prototype unit, then produce a set of permit drawings, with construction to commence later in 2023.

THE STUDIO: The entire studio will work collaboratively toward developing a site and unit design that can be constructed by Habitat for Humanity and UO students in Cottage Grove. The first two weeks of studio will be dedicated to defining the problem in terms of program, site constraints, code restrictions, and client directives. Each student will make an individual proposal for a site design and unit plan. The studio will then work collectively to synthesize the best elements of each design into a cohesive proposal that will be designed, detailed and developed throughout the term. The end result will be a set of permit drawings and a site development drawing.

DESIGN ISSUES TO BE STRESSED: In the first part of the term, an analysis of the site, development restrictions, 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 plan characteristics, site vicinity features. The following concepts will be featured during the design process:

- The nature of sustainable architecture.
- Fundamentals of residential design – site design, building design, budget, legal restrictions.
- Fundamental issues of affordable housing.
- Integration of building technology to define/support the spirit of the project.
- Collaboration, teamwork, and the role of the individual in the design process.