OREGONBILDS STUDIO :: HOPE LOOP HOUSE 6  
INSTRUCTOR: Tom Hahn

UNIVERSITY OF OREGON - COLLEGE OF DESIGN
FALL 2021

SCHOOL OF ARCHITECTURE & ENVIRONMENT
ARCH 484 | 584

THE STUDIO AND PROJECT
OregonBILDS is a School of Architecture & Environment residential design-build program, growing in national recognition since its founding in 2012 by Rob Thallon. BILDS stands for “Building Integrated Livable Designs Sustainably”, which outlines its key principles. In this program, Architecture, Landscape Architecture, and Interior Architecture students work together to design and later construct an affordable residence over the course of several terms. This Fall studio will be the eighth to design a single-family home and garden, that will be constructed by later OregonBILDS program classes. The design from this studio will be built on the last of a group of six lots where previous BILDS' houses have been completed, on Hope Loop in west Eugene.

THE PHILOSOPHY
To succeed both pedagogically and financially, the OregonBILDS 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 housing typologies, and the advice of local contractors and real estate experts, will inform design choices. The goal is to produce a design solution that is beautiful, practical, sustainable, and replicable.

THE TOPICS
Early focus will be on understanding site characteristics, essential program needs, environmental response strategies, affordable building technologies, and preliminary budget and regulatory issues, as the determinants of schematic design proposals. Later in the term, the focus will shift to design development considerations in coalescing a selected design, along with methods and means to refine and document that design, with special emphasis on materials, building systems, and construction details. Topics will also include:

- The nature of sustainable architecture – strategies, concepts, systems, materials
- Integration of building technology to define and support the spirit of the project.
- Fundamental issues of affordable housing.
- Fundamentals of residential design – site design, building design, budget, legal restrictions.
- The potential for efficiencies of prefabrication.
- Collaboration, teamwork, and the role of the individual in the design process.
- The format

The studio will be held in-person, per all UO COVID-19 guidelines. In this studio, the group will work collaboratively toward developing a single design for a residential lot in a neighborhood in west Eugene. The first few weeks of studio will be dedicated to defining the problem in terms of program, energy performance, code restrictions, and market forces; from which 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 cohesive proposal that will be developed through the rest of the term. The end result will be a set of preliminary construction drawings for a single design that represents the vision of the entire class, that can then be finalized for building permit submittal, and with construction occurring in 2022, in later OregonBILDS field/building classes.