Architecture 410/510

Building Integrated Livable Designs Sustainably
Spring 2020

OregonBILDS: Sustainable Construction at the Building Site
Linking Design to Construction Through Practical Experience

Professor: Rob Thallon, Associate Professor
371 Lawrence Hall, thallon@uoregon.edu

Schedule: (labs) UH 8-12 or UH 1-5 or WF 8-12 or WF 1-5 plus Monday 12-12:50 (workshop)

Format: A hands-on residential construction course integrating construction practice with design. For 3 credits, students will spend 8 hours per week at the construction site or the project shop plus 1 hour in class. For 4 credits and Arch advanced technical elective, students will be expected to spend 4 extra lab hours per week. There will be minimal readings.

Prereq’s: For 4-credit Arch tech elective: Arch 3rd year UG or grad 2nd year Track 1 or any Track 2
For 3-credit Arch subject area elective: same as above
For 3-credit university general elective: no prerequisites

Credits: Variable (3-4): 3 credits for Arch subject area elective or university general elective
4 credits for advanced technical requirement in Architecture

Grading: P/N

Course Description
The hands-on course will focus on the basic principles of residential construction at the construction site. Students will be completing the design and construction of four affordable, sustainable tiny houses for veterans designed by the 2019 fall term OregonBILDS studio and partially constructed by the winter 2020 version of this course. The course will be taught through presentations and on-site instruction that relate design to first-hand construction experience – a unique opportunity for students to translate theory into practice and gain practical experience to influence design work. Student-led project teams working with experienced professionals will complete the exterior of the house and a range of landscape work as well as design and construct cabinets, trim, and other interior detailing and finishes. Student teams will resolve on-site design problems in collaboration with the instructor and construction professionals. Sustainability and affordability will be discussed in relation to materials, systems, and methods.

Primary Texts
Thallon, Graphic Guide to Interior Details, Taunton, 1996