Architecture 410/510
Building Integrated Livable Designs Sustainably
Fall 2017

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 1.5 hours 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
            IDP credit: all students registered with NCARB are eligible for IDP credit
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 an affordable, sustainable house designed initially by the 2016 fall term OregonBILDS studio. 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. Student-led project teams working with experienced professionals will design and construct the building frame. 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