Architecture 410/510

Building Integrated Livable Designs Sustainably
Winter 2020

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

Professor: Jerolim Mladinov, Professor of Practice
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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 start the construction and refine the design of four tiny homes for low-income veterans in Cottage Grove. The homes were designed during the 2019 winter term OregonBILDS studio.
The course is a unique opportunity for students to translate theory into practice and gain practical knowledge through presentations and on-site instructions that relate design to first-hand construction experience. Student-led project teams working with experienced professionals will work on the framing, sheathing, roofing, windows and exterior doors installation. In addition, students will advance the design of interior stairs and built-in furniture, and start their fabrication in our shop.
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