

Clatsop Community College  
**Historic Preservation & Restoration Techniques workshop**  
Fall 2009

## **BLD 122: Floor Framing**

Instructor: Kirk Garrison  
Email: kgarriso@pcc.edu  
Times: 9:00am to 4:00pm, November 20<sup>th</sup> and December 4<sup>th</sup>, 2010  
Location: M.E.R.T.S campus, Astoria Oregon

### **Course Description**

Students will learn about the materials and methods used in the following types of floor construction:

- Slab on Grade
- I-Joist
- Joist Trusses
- Post and Beam 2 x 6 with Tongue and Groove sheathing
- Post and Beam with 1 1/8" plywood or OSB sheathing
- SIPS
- Panelization
- Steel Framing
- Dimensional Lumber with 3/4" plywood or OSB sheathing

Students will also collaboratively construct a floor system using dimensional lumber with 3/4" plywood or OSB sheathing.

### **Course Learning Outcomes**

After completing this course, students will be able to:

- Lay out for Floor Joists
- Read a Span Table
- Identify different types of Floor Systems
- Identify materials used in different Floor Systems
- Calculate materials needed for a basic rectangular, plywood and dimensional lumber joist, Floor System
- Construct a basic rectangular, plywood and dimensional lumber joist, Floor System

### **Grading**

Grading will be based on attendance and participation.

### **Required Materials**

Basic carpentry hand tools  
Calculator  
Paper/Pencil

### **Outline of Course Content**

1. In the classroom portion students will learn about different floor systems and various materials used to build them.
2. In the hands-on portion of the class, students will construct a basic rectangular, plywood and dimensional lumber joist, Floor System