

Clatsop Community College

BLD 111: Tool Safety for Historic Preservation

Fall 2013

1 Credit Hour

Instructors: Ed Overbay, Brian Peterson

Location: See schedule below

Time: Monday 5:00-7:50

Dates: 4 November–9 December

Course Description

Students learn to safely use and maintain hand and power tools for historic preservation and construction.

Course Learning Outcomes

After completing this course, students will be able to:

- Identify and assess potential job site hazards.
- Demonstrate safe work practices.
- Use appropriate personal protective equipment.
- Practice safe use of electrical equipment.
- Safely use hand and power tools.

Methodology

This course meets for five three-hour sessions (15 hours total). Classes will consist of discussions, demonstrations and hands-on exercises. Students will be required to use hand and power tools and work on several projects.

Grading

Grading will be based on attendance and participation. Each session will comprise 20% of course grade.

Required Equipment

Eye protection, ear protection, respirator, dust mask, work gloves, work shoes.

Outline of Course Content

- Safety awareness: field and shop
- Hand tools: hammers, chisels, screwdrivers, scrapers, saws, planes, nail pullers, cutting tools, prying tools, etc
- Electrical safety: electrical cords, equipment maintenance, grounding, GFCI, etc
- Portable power tools: saws, drills, sanders, routers, planes, etc
- Power tools: table saws, jointers, planers, shapers, band saws, etc

SCHEDULE

1. Scaffold Safety

Monday 4 November (Peterson) – IMTC Building, MERTS Campus

Students will learn to identify different scaffold systems and state standards associated with working on scaffolds, inspect staging/supported scaffolds, and recognize safety hazards associated with work platforms.

Note: no class on 11 November. College is closed for Veterans Day.

2. Hand Tools

Monday 18 November (Overbay) – Overbay Houseworks

Students will learn application, maintenance and safety considerations for the following tools: saws, hammers, chisels, screwdrivers, planes, pry bars, nail pullers, scrapers. Tool sharpening will be addressed.

3. Portable Power Tools

Monday 25 November (Overbay) – Overbay Houseworks

Students will learn application, maintenance and safety considerations for the following tools: circular saws, chopsaws, sawsall, jigsaws, corded drills, cordless drills, impact drivers, roto-hammers, routers, sanders, compressors and nail guns. Electrical safety will be addressed.

4. Power Tools

Monday 2 December (Overbay) – Overbay Houseworks

Students will learn application, maintenance and safety considerations for the following tools: table saws, jointers, planers, routers, shapers. Electrical safety will be addressed.

5. Safe Tools Use

Monday 9 December (Overbay) – Overbay Houseworks

Students will safely use tools to complete a woodworking project.