Clatsop Community College

BLD 110: Construction Safety for Historic Preservation
Fall 2013
1 Credit Hour

Instructors: Lucien Swerdloff, Chris Gustafson
Location: IMTC CAD Lab/Resource Lab
Time: Monday 5:00-7:50
Dates: 30 September–28 October

Course Description
Students learn safe work practices 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.
- Safely work with potentially hazardous materials.
- Use appropriate procedures in case of accident or injury.

Instructor Information
Office Hours: MW 1:00-2:00 – IMTC Computer Lab (MERTS Campus)
                 TT 4:00-5:30 – Art 102 (Main Campus)
                 F 12:00-1:00 – Art 102 (Main Campus)
Phone: 503.338.2301
Email: lswerdloff@clatsopcc.edu

Methodology
This course meets for five three hour sessions (15 hours total). Some of the work is self-paced. You are responsible for following a work schedule. Course requirements must be completed by the specified dates.

The course work consists of two components:
- interactive computer-based safety training modules
- student group report and presentation

Grading
Grading will be determined as follows:
- Safety Modules   60%   average of safety module final tests
- Lead Safe Work Practices 15%   test
- Presentation   25%   outline 5%
                                   draft   5%
                                   final   15%

SCHEDULE

1. Introduction; PPE and Tools; Safety Modules; Assign Presentations
Monday 30 September: safety issues in historic preservation, safety checklist (pre), personal protective equipment, tools used in historic preservation, select presentation topic, begin safety modules

2. Lead Safe Work Practices
Monday 7 October: lead safe work practices: set up, work, cleanup

3. Safety Modules; Presentation Review
Monday 14 October: presentation outline (use outline sheet), work on safety modules

4. Safety Modules; Presentation Draft
Monday 21 October: presentation draft (writtten report), complete safety modules/submit final report cards

5. Presentations
Monday 28 October: class presentations, safety checklist (post)

PRESENTATION
Each student will conduct research, prepare a brief written report and make a class presentation on a topic related to safety in historic preservation projects. Topics will be chosen by student with instructor approval.

The report should be 2-4 pages, double spaced, and well-written. Cite sources. Outline and draft must be submitted (see schedule for due dates).

Presentation should be 10 minutes, well-organized, clear and concise. Include images and props as necessary to illustrate concepts.

Sample Sources
  • The EPA web site (*http://www.epa.gov*) is a good place to start your research.
  • The book Lead Safety for Renovation, Repair, and Painting is available for checkout at the IMTC office.
  • The Oregon Construction Contractors Board web site (*http://www.oregon.gov/CCB*) has information about regulations for working with lead-based paint.
  • The Washington State Department of Labor and Industries web site has an informative safety section (*http://www.lni.wa.gov/safety*)

Example presentation topics
  • Lead Safety for Renovation, Repair and Painting
    Topics include:
    1. Health Risks of Lead
    2. Lead Paint Regulations
    3. Lead Paint Containment
    4. Lead Paint Work Practices
    5. Lead Paint Work Site Cleanup
  • Asbestos (health risks and building materials containing asbestos)
  • Epoxy (health risks and safe work practices)
  • Silica (exposure and health risks)
  • Respirators (types and use)
  • Ladder Safety

TRAINING MODULES
Complete the following training modules:
1. Safety Orientation: On Alert
2. Back Safety
3. Industrial Ergonomics
4. Personal Protective Equipment
5. Respiratory Protection
6. Stairways and Ladders

Instructions
1. Double-click on the Clarity LaunchPad to start the multimedia training program.
2. Type in your last name for User ID to create a new account.
3. On the Welcome screen, type in your first and last names, then click on register.
4. A new new user account will be created for you and a short presentation called CD Teacher will begin. This will give you an overview of how the course software works. You will only see this once when you register.
5. From the main course selection menu select the course you wish to take (see list above). To start a course, click on its name. Begin with section 1 for an overview of the course. Complete all sections and all sub-sections of each course.
6. Take the Self-Check at the end of each section. When you complete each section of the course satisfactorily, you will see a green checkmark.
7. Take the Course Self-Check or Comprehensive Test (last section) when done with all other sections. The test is drawn randomly from a test bank of 1,000 questions. If you take the test more than one time, it will not contain the same questionbs. There is no time limit.
8. When you are done with each session go to report card (in main menu) and print a report card for your records. Final report cards should be submitted to the instructor when you have completed all modules.
9. Logout when you are done with a session. Login again with your User ID to continue with other modules.

Grading
Each module has a minimum passing grade of 80%. Anything less is not acceptable.
All final tests are averaged for final grade for this course component. Submit all final report cards together by due date.
• A 92-100%
• B 80-91%