

Clatsop Community College
Historic Preservation Program
Fall 2013

BLD 236: Stained Glass Window Repair

Dates: Saturday-Sunday, October 5-6

Time: 9:00am-4:00pm

Location: Art Building

Instructor: Jim Hannen

Email: jrhannen@gmail.com

Phone: 503-738-8354

Course Description

Students learn the causes of deterioration and failure of stained glass windows and gain hands-on experience in repair and restoration techniques required to re-establish the soundness and integrity of windows.

The class will focus on developing an understanding of the techniques used to repair stained glass windows. Through hands on repair of a damaged window and cutting and assembly of a new window students will gain an understanding of the entire process, including design, pattern cutting, glass cutting, assembly, cementing and finishing. There will also be discussion of causes of window deterioration, glass types, reinforcing techniques, and safety concerns.

Course Learning outcomes

After completing this course, a student will be able to:

- Identify the components and properties of leaded glass windows
- Describe causes of deterioration of leaded glass windows
- Practice safe work habits
- Use appropriate tools and materials
- Demonstrate basic techniques to repair leaded glass windows

Course Outline

Description and examples of leaded glass windows
Properties and types of colored glass
Safe work practices
Glass cutting
Laying out and transferring patterns
Soldering techniques
Assessing condition of damaged leaded glass windows
Planning appropriate corrective procedures
Techniques for removing and handling panels
Resoldering comes
Waterproofing/cementing repaired leaded glass window

Grading

A: Attend both days, actively participate, complete projects
B: Attend both days, actively participate
C: Attend both days, less than full participation
D: Miss one day
F: Do not participate

Required Materials

Utility knife, glass cutter, eye protection, dust mask, work gloves