



BCCM 2586

Division: Career and Technical Education

Department: Building Construction and Construction Management

Course: BCCM 2586

Title: Traditional Log Cabin Restoration

Catalog Description:

This course offers a hands on workshop for the traditional building skills of log cabin restoration. The course includes the philosophy of historic preservation and traditional practices of log cabin repair. It teaches skills needed to repair typical problems encountered in historic log buildings such as log replacement, decay repairs, hewing, notching, moving, dutchman, roof installation and other skills. (Cross-listed as TBSI 2586)

General Education Requirements: N/A

Semesters Offered: Fall

Credit/Time Requirement: Credit: 1; Lecture: 1; Lab: 1

Clock/Hour Requirements: 0

Offered for Non-Credit: No

Prerequisites: N/A

Corequisites: N/A

Justification:

The course is provided in response to the construction industry trends for re-habilitating existing buildings and increased interest in historic preservation in log cabins. Sanpete County has a significant number of historic log cabins which will be used to provide the laboratory for the course. The course will inform and educate the participants in traditional log cabin restoration skills. The course is required for the AAS degree in Traditional Building Skills.

Student Learning Outcomes:

Upon successful completion of this course, students will:

- understand the philosophy of log cabin re-habilitation
- learn building assessment and remedies for typical problems encountered in historic log cabins
- learn the proper techniques to repair a log cabin.

Content:

This course will include:

- Why traditional skills are valuable
 - History
 - Practices
 - Materials
 - Philosophy
 - Preservation practice
 - Modern application
- The Use of Tools and Materials
 - Tools
 - use and care of axes and crosscut saws
 - Traditional practices
 - Hewing
 - Notching
- The Repair, Cleaning, and Coating of Historic Log Cabins
 - Repairs
 - Log replacement
 - Decay repairs
 - Dutchman
 - Coatings and cleaning
- Jacking and Moving.

General Education Outcomes:

5) Apply a cultural and historical awareness to a variety of phenomena.

The history of log buildings and their construction techniques in the U.S. and Utah will be discussed and presented by slides. Students will demonstrate their appreciation for historical log cabin construction as they apply their skills to a restoration project.

Key Performance Indicators:

- a rating of scores from the instructor's quiz: 30%
- assessment of acquired skills in log cabin restoration by instructor: 50%
- attendance and attitude
 - 10 points per day will be given for attendance and showing up on time
 - 10 points per day will be given on attitude which includes willingness to participate and follow instructions: 20%
- assessment of course instructors by course participants

Representative Text and/or Supplies:

- Bruce D. Bomberger, *The Preservation and Repair of Historic Log Buildings*, U.S. Department of the Interior, Preservation Brief #26.
- Sharon C. Park, AIA, *The Repair and Replacement of Historic Wooden Shingle Roof*, U.S.

Optimum Class Size: 10

Maximum Class Size: 15

Signatures:

I hereby submit this course syllabus:

Officer Robert Wright, ,

I hereby find this course consistent with the goals and resources of the Building Construction and Construction Management Department:

Marlin Christensen, M. Ed., Instructor, Chair

I hereby find this course consistent with the goals and resources of the Career and Technical Education Division:

Michael P. Medley, MBA, Assistant Professor, Dean

I have discussed the need for library resources related to this class with the person submitting the syllabus:

Lynn Anderson, MLIS, Technical Services Librarian (Main Campus)

Michelle Olsen, MLS, Campus Librarian (Richfield Campus)