



TBSI 2646

Division: Career and Technical Education

Department: Traditional Building Skills Institute

Course: TBSI 2646

Title: Traditional Millwork/Woodwork Preservation

Catalog Description:

This course is a hands-on workshop for the traditional building skills of millwork/ woodwork. The course includes the philosophy of historic preservation and traditional practices for the repair and replicating of historic moldings and millwork. This course covers many aspects of millwork such as: use of hand planes, sharpening a plane iron, and tuning a hand plane, replicating and producing moldings, coping and mitering base and crown moldings, using historic wooden molding planes, using liquid wood and epoxies, producing cove moldings on the table saw, sharpening and burnishing a cabinet scraper, and other tricks of the trade.

General Education Requirements: N/A

Semesters Offered: Spring

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 being provided in response to construction industry trends for rehabilitating existing buildings, increased interest in historic preservation, and incorporating traditional construction practices in new buildings.

Sanpete County has a significant number of historic resources and settings which will be used to provide the laboratory for the course.

The course will inform and educate the participants in traditional millwork/woodwork skills.

This is a required course for the AAS degree in Traditional Building Skills and is recommended by Traditional Building Skills Institute Board of Trustees.

Student Learning Outcomes:

Upon successful completion of this course, students will:

- understand the philosophy of millwork and woodwork preservation and its incorporation in new construction
- learn the proper use of various historic millwork/woodwork skills and demonstrate the techniques of restoration.

This course will include:

- Introduction: Why traditional skills are valuable:
 - history and philosophy
 - preservation practice
 - modern application
- Use of tools:
 - traditional practice
 - use of planes and wood molding planes
 - sharpening a plane iron and/or chisel
 - use of cabinet scraper and sharpening
- Current practice
 - use of table saw to produce cove moldings
 - use of dremel tool to produce a molding scraper blade
 - tricks of the trade
- Repairing, restoring, and replicating of historic millwork/woodwork
 - moisture and moisture problems
 - use of liquid wood and epoxies
- Use of traditional millwork/woodwork in new construction
 - coping and mitering base and crown moldings
 - Tricks of the trade.

General Education Outcomes:

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

Participants will gain cultural and historical awareness of traditional millwork as they learn the skills of using wooden molding planes, specialty planes and traditional scrapers to replicate moldings and wood trim for a restoration project.

9) Respond with informed sensitivity to an artistic work or experience.

The participants will demonstrate increased appreciation for the art, design and style of millwork used in historic buildings by replicating historical moldings and/or producing a molding design of their own.

Key Performance Indicators:

- millwork/ wood work skills will be assessed in consultation with the instructor(s): 50%
- quiz will be given on the content: 30%
- 10 points per day will be given for attendance and promptness, and 10 points per day will be given for willingness to participate and follow instructions: 20%
- course and instructors will be assessed by the students on a prepared evaluation sheet. (This evaluation indicates the value of the course and ways in which to improve it).

Representative Text and/or Supplies:

- Kay D Weeks and David W. Look, *U.S. Department of the Interior, "Preservation Brief # 10"*, AIA.

Optimum Class Size: 10

Maximum Class Size: 15

Signatures:

I hereby submit this course syllabus:

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I hereby find this course consistent with the goals and resources of the Traditional Building Skills Institute Department:

Woodruff Challis, , , 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)