



## BCCM 2606

**Division:** Career and Technical Education

**Department:** Building Construction and Construction Management

**Course:** BCCM 2606

**Title:** Traditional Wood Window Fabrication and Restoration

**Catalog Description:**

This course is a hands on workshop for the traditional building skill of wood window fabrication, repair and restoration. The course includes the philosophy history of wood windows, with restoration and preservation techniques. Also traditional practices in fabrication of a wood window is taught.

**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:**

This 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 building.

A significant number of historic homes have old wood windows which need to be replaced or restored.

The course will inform and educate the participants in traditional wood window skills.

A required course for the AAS degree in Traditional Skills as recommended by the Traditional Building Skills Institute Board of Trustees.

**Student Learning Outcomes:**

Upon successful completion of this course, students will:

- understand the philosophy and history of wood windows
- fabricate the stiles, rails, and muntins for a wood window using traditional methods
- learn proper repair and restoration techniques for historic wood windows.

**Content:**

This course will include:

- introduction: why traditional skills are valuable:

- history and philosophy
  - practices
  - materials
- restoration and repair of wood windows
  - types and styles of windows
  - traditional practice
  - current practice
  - removal, refinishing, and repainting
  - hardware problems
  - glass replacement and reglazing
  - use of epoxies
- the fabrication of wood windows
  - stiles and rails, muntins
  - mortise and tenon joint
  - hardware
  - weather stripping
- the use of wood windows in new construction.

### **General Education Outcomes:**

### **Key Performance Indicators:**

- a rating of scores from the instructor's quiz: 30%
- assessment of acquired skills in window fabrication and 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 for attitude, which includes willingness to participate and follow instructions: 20%
- assessment of course and instructors by students on a prepared evaluation sheet.

### **Representative Text and/or Supplies:**

- Terence Meany, *Working Windows, A Guide to Repair and Restoration of Wood Windows*, The Lyons Press.
- John H. Myers, *The Repair of Historic Wooden Windows*, U.S. Department of the Interior, Preservation Brief # 9.
- Kay D. Weeks and David Look AIA, *Exterior Paint Problems on Historic Wood*, U.S. Department of the Interior, Preservation Brief # 10.

**Optimum Class Size:** 10

**Maximum Class Size:** 15

**Signatures:**

I hereby submit this course syllabus:

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Officer Robert Wright, ,

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

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Marlin Christensen, M. Ed., Instructor, Chair

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

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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:

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

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Michelle Olsen, MLS, Campus Librarian (Richfield Campus)