



## BCCM 2100

**Division:** Career and Technical Education

**Department:** Construction Technology

**Course:** BCCM 2100

**Title:** Interior Finish

**Catalog Description:**

This course covers the cutting, fitting, hanging, and taping of sheetrock on a project house. It covers the cutting, fitting, and applying of various kinds of trim for doors, windows, walls, and ceilings. It also includes interior painting, cabinet installation, door hanging and other procedures required to finish the interior of a residential home. Energy efficient methods of air sealing, insulation procedures, and indoor air quality are also covered.

**General Education Requirements:** N/A

**Semesters Offered:** Spring

**Credit/Time Requirement:** Credit: 7; Lecture: 4; Lab: 6

**Clock/Hour Requirements:** 150

**Offered for Non-Credit:** Yes

**Prerequisites:** N/A

**Corequisites:** N/A

**Justification:**

There is a necessary course in the construction phase of residential house. Training students for all installation of sheetrock, doors, and all finish trim used in the construction of a residential house.

**Student Learning Outcomes:**

Upon successful completion of this course, students will:

- be able to understand thermal properties of insulation
- study the materials and methods used to cover the framed areas inside the structure; such as, drywall, paneling, solid wood paneling, hardboard, and ceiling tile
- maintain and care for specific hand tools used in construction
- install door and fit trim around openings
- install shelving and rods for linen and clothes closets
- learn different kinds and installation of many kinds of hardware
- install kitchen and bathroom cabinets with counter tops
- prepare residence for painting by the hanging, taping, and texturing of sheetrock
- install balusters, shoe, and hand railings for stairs
- install decorative trim; such as, crown moldings and three dimensional panels.

## **Content:**

This course will include:

- insulation
  - heat transmission
  - thermal properties of insulation
  - types of insulation
  - placement of insulation
  - vapor barriers and condensation
  - material estimation
- wall coverings
  - drywall- application and finishing
  - paneling- kinds and installation
  - solid wood paneling - installation
  - hardboard - patterns and texture
  - material estimation
- ceiling coverings
  - ceiling tile--kinds and installation
  - ceiling sprayed texture
  - material estimation
- maintenance and care of tools
  - sharpening hand tools
- finishes
  - interior doors and trim
  - hardware
  - grades and size of moldings
  - painting
  - cabinet installation
  - counter top installation
  - tub and shower enclosure installation.

## **General Education Outcomes:**

## **Applied Education Outcomes:**

1) Students will acquire entry-level skills specific to and appropriate for employment in their chosen field of study.

All students will have the basic knowledge to be able to enter a field of interior finish to work for a contractor or be able to go out on their own.

2) Students will become aware of industry specific certification and develop skills sufficient to acquire the same.

All students will know of potential jobs in the community and/or the basic knowledge of becoming a licensed contractor for interior framing.

3) Students will demonstrate safe practices and awareness of potential hazards in their field of expertise.

All students will know the importance of the safe handling of all tools and equipment used in the area of interior finish and the safety of a clean worksite.

4) Students will demonstrate interpersonal skills specific to the skills and environment inherent in their field.

Students will understand the importance of communication in the field of interior finish and be able to speak appropriately to co-workers, employers, employees, and potential customers.

### **Key Performance Indicators:**

Student Learning Outcomes will be assessed by one or more of the following Key Performance Indicators:

- attendance
- performance on the site project
- exams/quizzes (written and oral).

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

- Koel, Leonard, *Carpentry*, current edition, American Technical Publishers.
- Proctor, Thomas, *Carpentry Workbook*, current edition, American Publishers.

**Optimum Class Size:** 15

**Maximum Class Size:** 20

**Signatures:**

I hereby submit this course syllabus:

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Marlin Christensen, M. Ed., Instructor

I hereby find this course consistent with the goals and resources of the Construction Technology 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)