

ATCT-1610: INTERIOR FINISH

Cuyahoga Community College

Viewing: ATCT-1610 : Interior Finish

Board of Trustees:

May 2024

Academic Term:

Fall 2024

Subject Code

ATCT - Appld Indus Tech - Carpentry

Course Number:

1610

Title:

Interior Finish

Catalog Description:

Introduction to skills required to determine materials and installation of finish elements. Included are window and door trim, interior door installation, standing and running trims.

Credit Hour(s):

2

Lecture Hour(s):

2

Requisites

Prerequisite and Corequisite

ATCT-1381 Wood Framing, or departmental approval.

Outcomes

Course Outcome(s):

1. Develop a material list, select appropriate materials and tools, and establish order of operations to prepare for installing interior doors, trim, cabinets, and countertops.

Objective(s):

1. Develop lists of materials.
2. Choose necessary tools to install interior trim elements.
3. Explain procedures for establishing order of operations as part of prep-work completion.

Course Outcome(s):

2. Layout, cut, and install interior doors, trim cabinets, and countertops.

Objective(s):

1. Install interior doors and trim.
 2. Install window trim.
 3. Install running trims for base, chair rail, and crown molding.
 4. Install pre-manufactured cabinets.
 5. Fabricate and install countertops.
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Methods of Evaluation:

1. Quizzes
2. Exams
3. Classroom Participation
4. Completion of assigned projects

Course Content Outline:

1. Concepts
 - a. Appropriate selection of Hand and Power tools
 - b. Interior work materials
 - c. Safety considerations for hearing, eyesight, and lungs
 - d. Personal protective equipment requirements
 - e. Site-Made fixtures including storage boxes and systems, lighting and light stands, work support, saw horses, panel lifts, door bucks, ladders and scaffolding
 - f. Site Inspection
 - g. Job sequencing
 - h. How to develop a cut list
 - i. Wood species considerations
 - j. Material/supply ordering
 - k. Dimension checks
 - l. Laminated counter top fabrication techniques
 - m. Laminated counter top installation techniques
 - n. Pre-manufactured cabinet layout techniques
 - o. Pre-manufactured cabinet installation techniques
 - p. Interior door installation techniques
 - q. Four rules for door swing
 - r. Methods for using various hand tools
 - s. Hand tool sharpening techniques
 - t. Stationary tool operation procedures
 - i. Builder's bench saw
 - ii. Jointer/planer
 - u. Power tool operation procedures
 - i. Power Miter Saw
 - ii. Pneumatic Nailers
2. Skills
 - a. Operating a power miter saw
 - b. Operating various types of pneumatic nailers
 - c. Operating a builder's bench saw
 - d. Operating a jointer/planer
 - e. Selecting and using proper personal protective equipment
 - f. Developing a material list
 - g. Selecting appropriate materials
 - h. Establishing order of operations
 - i. Installing interior doors.
 - j. Installing door trim elements including mitered frames and plinth blocks.
 - k. Installing window trim
 - l. Installing cornice moldings
 - m. Installing base molding by preparing and fitting baseboard to wall.
 - n. Installing various wainscot finishes.
 - o. Laying out and installing pre-manufactured cabinets
 - p. Fabricating and installing laminated countertops
3. Issues
 - a. Door problems such as sag and warped doors
 - b. Fitting new trim to existing trim
 - c. Joint closure problems
 - d. Tool adjustments

- e. Safety
- f. Salvaging/scraping materials

Resources

Tolpin, Jim. *Finish Carpenter's Manual*. Carlsbad; Craftsman Book Company, 1993.

Koel, Leonard. *Carpentry*. 4th ed. Homewood: American Technical Publishers, 2004.

Durbahn, Walter. *Fundamentals of Carpentry*. Chicago: American Technical Publishers (most recent edition), 1977.

Carpenters International Training Fund. *Interior Finishes 1*. Las Vegas, NV: Carpenters International Training Fund, 2017.

Carpenters International Training Fund. *Interior Finishes 2*. Las Vegas, NV: Carpenters International Training Fund, 2019.

Koel, Leonard. *Carpentry*. 5th ed. Homewood IL: American Technical Publishers, 2009.

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