

ATCT-2500: EXTERIOR FINISH

Cuyahoga Community College

Viewing: ATCT-2500 : Exterior Finish

Board of Trustees:

May 2024

Academic Term:

Fall 2024

Subject Code

ATCT - Appld Indus Tech - Carpentry

Course Number:

2500

Title:

Exterior Finish

Catalog Description:

Introduction to basic elements of exterior finish which includes roofing, door and window framing, wall finish. Product types, weather and heat considerations are examined.

Credit Hour(s):

2

Lecture Hour(s):

2

Lab Hour(s):

0

Requisites

Prerequisite and Corequisite

ATCT-1610 Interior Finish or concurrent enrollment, or departmental approval.

Outcomes

Course Outcome(s):

Identify possible hazards of working with specific materials and take appropriate precautionary measures including using appropriate protective equipment and following proper handling procedures.

Objective(s):

1. Identify hazards associated with the installation of exterior finish components.
2. Explain proper handling procedures for various materials which can be hazardous when handled inappropriately.
3. Determine proper use of personal protective equipment.

Course Outcome(s):

Layout, cut, and install windows, door unity, exterior wall finishes, and cornice components in accordance with jobsite specifications.

Objective(s):

1. Install exterior windows and door units.
2. Identify and install various types of exterior wall finishes.
3. Install various water and air infiltration barriers.
4. Layout, cut and install various cornice components.
5. Identify hazards associated with the installation of exterior finish components.
6. Discuss advantages/disadvantages of wood vs. vinyl siding.

Methods of Evaluation:

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

Course Content Outline:

1. Concepts
 - a. Types of cornice work
 - b. Cornice Terminology
 - c. Open cornice characteristics
 - d. Box cornice characteristics
 - e. Window and Door Installation techniques
 - f. Characteristics and proper use of various types of windows
 - g. Types of Exterior wall coverings
 - h. Characteristics of wood and composite siding
 - i. Wood and composite siding installation techniques
 - j. Characteristics of vinyl siding
 - k. Vinyl siding installation techniques
 - l. Siding Components
 - m. Siding brake
 - i. trim components
 - ii. estimation of exterior siding components
 - n. Types of flashing and air infiltration barriers
 - o. Flashing and air infiltration barrier installation techniques
2. Skills
 - a. Installing overhangs and cornice work
 - b. Installing exterior window units
 - c. Installing exterior door units
 - d. Preparing and installing exterior wall finishes
 - e. Operating vinyl/aluminum siding brake
3. Issues
 - a. Weather and temperature considerations
 - b. Safety
 - i. Scaffolding and ladders
 - ii. Pressure treated lumber
 - iii. hand and power tools
 - c. Scrapping/salvaging material

Resources

Koel, Leonard. *Carpentry*. 7th ed. Homewood IL: American Technical Publishers, 2021.

Carpenters International Training Fund. *Print Reading 1: Introductory and Intermediate Skills*. Second Edition. Las Vegas, NV: Carpenters International Training Fund, 2022.

Carpenters International Training Fund. *Exterior Wall Coverings*. Las Vegas, NV: Carpenters International Training Fund, 2010.

Occupational Safety and Health Administration, United States Department of Labor. *Code of Federal Regulations 1926*. National Safety Compliance, 2022.

Resources Other

Carpenters International Training Fund. <https://www.carpenters.org/citf-training/>. 2024

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