

ATCT-1806: SPECIAL TOPICS: OPEN HOUSE

Cuyahoga Community College

Viewing: ATCT-1806 : Special Topics: Open House

Academic Term:

Fall 2026

Subject Code

ATCT - Appld Indus Tech - Carpentry

Course Number:

1806

Title:

Special Topics: Open House

Catalog Description:

Introduction to preparing and setting up for an event including: setting up stages, building scaffolds, building mockups for hands-on activities, cleaning, and painting. Setting up a cafeteria and lunch line for several hundred people. The class will also include communicating and directing those invited to the event.

Credit Hour(s):

2

Lecture Hour(s):

2

Outcomes

Course Outcome(s):

Prepare and set up for a special event including stage set up, building scaffolds, building mock-ups for hands-on activities, cleaning and painting.

Objective(s):

1. Given a sample drawing or print, build a scaffold to the proper specifications.
2. Given a blueprint, build a mockup of metal studs, wood studs, or flooring to the proper specifications.
3. Demonstrate the proper and safe use of the hand and power tools used to build the required mockups.

Course Outcome(s):

Demonstrate skills of chosen craft with guests during the Open House event.

Objective(s):

1. Demonstrate the use of the virtual welder.
2. Demonstrate communication skills to the guests of the event.
3. Demonstrate skills of the chosen craft to show to the guests. (i.e. Carpentry, Millwrighting, or Floorcovering).

Methods of Evaluation:

1. Homework
2. Exams
3. Skills demonstration

Course Content Outline:

1. Tools
 - a. Hand Tools
 - i. Trim Hammer
 - ii. Nail Set(s)

- iii. Block Plane
- iv. Measuring Devices
- v. Coping Saw
- vi. Scribe
- vii. Chisels
- viii. Tool belt
- ix. Levels
- x. Miter Clamps
- 2. Power Tools
 - a. Power Miter Saw
 - b. Jig Saw
 - c. Belt Sander
- 3. Pneumatic Tools
 - a. Stapler
 - b. Nailer
- 4. B.Safety Considerations
 - a. Stationary Power Tools
 - i. Guards
 - ii. Eye Protection
 - iii. Hearing Protection
 - b. Portable Power Tools
 - i. Work Support
 - ii. Eye Protection
 - iii. Hearing Protection
 - c. Hand Tools
 - d. Pneumatic Tools
 - i. Eye Protection
 - ii. Hearing Protection
 - iii. Handling Pneumatic Tools
- 5. C. Job-Site Preparation
 - a. Site Inspection
 - i. Cleaning
 - ii. Painting
 - b. Job Sequencing
 - i. Staging materials
 - ii. Laying out and stationing areas
 - iii. Build mockups
 - c. Material Selection
 - i. Cut Lists
 - ii. Building Materials
 - 1. Metal studs
 - 2. Wood lumber
 - 3. Drywall
 - 4. Carpet
 - 5. Hardwood flooring
 - 6. Ceramic tile
 - iii. Fasteners
 - 1. Finish Nails
 - 2. Trim Screws
 - 3. Adhesives
 - 4. Fillers
 - 5. Sandpaper
- 6. Pre-Hung Door Installation
 - a. Parts of a Pre-Hung Door
 - b. Hand of a Door
 - c. Rough Opening Inspection
 - d. Installation of Pre-Hung Door
 - i. Shimming of Rough Opening
 - ii. Installation and Fastening of Jambs

- iii. Margin and Clearance
- iv. Shimming and Fastening
- v. Adjustments
 - 1. Cross legged
 - 2. Stop adjustment
- 7. Standing Trim Installation
 - a. Door Casing
 - i. Mitered Casing
 - ii. Plinth Blocks, Rosettes, and Corner Blocks
- 8. Window Trim
 - a. Picture Framed
 - b. Traditional
 - c. Parts of window trim
 - i. extension jambs
 - ii. stool
 - iii. apron
 - iv. casing
 - 1. mitered casing
 - 2. rosettes and corner blocks
- 9. Running Trim Installation
 - a. Order of Installation
 - b. Base Molding
 - i. butt joints
 - ii. scarf joints
 - iii. coped joints
 - iv. returns
 - c. Shoe Molding
 - i. Joints
 - ii. Returns
 - d. Chair Rail
 - i. butt joints
 - ii. scarf joints
 - iii. coped joints
 - iv. returns
 - e. Crown Molding
 - i. Scaffolding
 - ii. Backing
 - iii. Butt Joints
 - iv. Scarf Joints
 - v. Coped Joints
 - vi. Returns

Religious Accommodation

Before reviewing the course schedule, students should carefully review the following religious accommodation policy and other required instructional policies:

Religious Accommodation:

Students seeking an accommodation for absences permitted under Ohio's Testing Your Faith Act must provide the instructor with written notice of the specific dates for which the student requires an accommodation and must do so not later than fourteen (14) days after the first day of instruction. Please submit requests for accommodations at this link: <https://portal2.tri-c.edu/ReligiousAccommodation/> Religious Accommodation Form. Students with questions about their religious accommodations under Ohio's Testing Your Faith Act may contact the College's Office of General Counsel and Legal Services by phone at 216.987.4856 or via email at legal@tri-c.edu.

Other Required Instructional Policies:

<https://www.tri-c.edu/student-resources/curriculum/documents/syllabus-part-b.pdf>

Weekly Schedule

	Topics
Week 1	Course Introduction & Safety Fundamentals
Week 2	Hand Tools – Identification & Use
Week 3	Hand Tools – Precision & Techniques
Week 4	Power Tools – Operation & Safety
Week 5	Pneumatic Tools
Week 6	Stationary Tool Safety & Integration
Week 7	Job-Site Preparation
Week 8	Materials & Planning
Week 9	Pre-Hung Door Installation – Fundamentals
Week 10	Pre-Hung Door Installation – Installation
Week 11	Door Adjustments & Troubleshooting
Week 12	Standing Trim – Door Casing
Week 13	Window Trim Installation
Week 14	Running Trim – Base & Chair Rail
Week 15	Running Trim – Crown & Finish Work
Week 16	Finals Week

The Course Schedule is subject to change due to pedagogical needs, instructor discretion, parts of term, and unexpected events.

Required/Recommended Readings

Instructor provided materials

Resources for the Instructor

Carpenter's International Training Fund. *Interior Finishes I*. Carpenter's International Training Fund, 2011.

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

Additional Resources for the Instructor

Carpenter's International Training Center. <https://www.carpenters.org/resource-hub/>. 2024.

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