

ATPT-1620: WOOD FINISHING

Cuyahoga Community College

Viewing: ATPT-1620 : Wood Finishing

Board of Trustees:

September 2025

Academic Term:

Fall 2025

Subject Code

ATPT - Appld Indus Tech - Painting

Course Number:

1620

Title:

Wood Finishing

Catalog Description:

Instruction in principles and procedures in wood finishing, including characteristics of woods, specifications and finishing procedures, preparation of surfaces, and maintenance and repair of finishes.

Credit Hour(s):

2

Lecture Hour(s):

2

Requisites

Prerequisite and Corequisite

Admissions to Painting Technology apprenticeship program, or departmental approval.

Outcomes

Course Outcome(s):

N/A

Objective(s):

1. Identify characteristics of hardwoods and softwoods, and wood products; and specifications, standards, and wood finishing procedures.
2. Prepare wood surfaces using abrasives and sanding procedures.
3. Apply a variety of wood finishing procedures including bleaching, filling, staining, sealing, applying varnish and lacquers.
4. Maintain and repair wood finishes using correct procedures.

Methods of Evaluation:

1. Quizzes
2. Exams
3. Classroom participation
4. Demonstration of assigned projects

Course Content Outline:

1. Introduction
2. Woods and wood products
 - a. Characteristics of hardwoods and softwoods
 - b. Grain patterns in wood and veneer

- c. Open-Grain and closed grain wood
- d. Finishing characteristics of plywood and other wood products
- e. Specifications, standards, and general wood finishing procedures
- 3. Wood surface preparation
 - a. Coated abrasives and sanding procedures
 - b. Other abrasive materials and their use in wood finishing
- 4. Wood finishing materials and procedures
 - a. Bleaches and bleaching operations
 - b. Wood fillers and filling operations
 - c. Wood stains and staining operations
 - d. Wood sealers and sealing operations
 - e. Spirit and oleoresinous varnishes
 - f. Procedures for applying varnishes
 - g. Procedures for using lacquers
 - h. Procedures for using wax and oil finishes
- 5. Maintenance and repair of old finishes
 - a. Maintenance of wood finishes
 - b. Removal of old finishes
- 6. Finishing schedules and common finishing problems
 - a. Basic wood finishing schedules
 - b. Common failures in wood finishes and their correction

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

Resources for the Instructor

Scharff, Robert. *Complete Book of Wood Finishing*. 2nd Edition. New York: McGraw-Hill (Latest Edition), 1974.

"Finishes and Finishing Techniques: The Best of Fine Woodworking"

Painting and Decorating Contractors of America. "Painting and Decorating Craftsman's Manual and Textbook"

National Painting, Decorating, and Drywall Apprenticeship and Manpower Training Fund. "Wood Finishing Instructor's Guide"

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