

ATPT-2380: SPECIAL COATING AND DECORATIVE FINISHES

Cuyahoga Community College

Viewing: ATPT-2380 : Special Coating and Decorative Finishes

Board of Trustees:

March 2020

Academic Term:

Fall 2020

Subject Code

ATPT - Appld Indus Tech - Painting

Course Number:

2380

Title:

Special Coating and Decorative Finishes

Catalog Description:

Instruction in basic principles and techniques of special coatings and decorative finishes including terminology and glazing, antiquing, wood graining, marbleizing, stipple finishing, texturing, gilding, and stenciling techniques and procedures.

Credit Hour(s):

2

Lecture Hour(s):

2

Requisites

Prerequisite and Corequisite

Departmental approval: admission to Painter's apprenticeship program.

Outcomes

Course Outcome(s):

Discuss the fundamentals of basic identification and application of decorative coatings.

Objective(s):

1. List and define the terms related to decorative finish processes and tools.
2. Explain the purpose of decorative coatings.
3. Identify the various types and techniques of decorative coatings.
4. Identify the various tools and materials of decorative coatings.
5. Explain how each decorative coating is applied.

Course Outcome(s):

Prepare surfaces, prepare materials and tools, and application of decorative coatings.

Objective(s):

1. Explain and demonstrate proper surface preparation.
 2. Explain and demonstrate proper material preparation and tool selection for each decorative coating.
 3. Explain and demonstrate the application and techniques for each decorative coating.
 4. Explain and demonstrate the use of PPE during the preparation, application, and clean-up of decorative coatings.
 5. Explain the proper storage and disposal of decorative coatings and related materials.
-

Methods of Evaluation:

1. Quizzes
2. Exams
3. Classroom participation
4. Demonstration of project assignments

Course Content Outline:

1. Terminology: define
 - a. Techniques:
 - i. Glazing
 - ii. Antiquing
 - iii. Wood Graining
 - iv. Marbleizing
 - v. Stipple and texture
 - vi. Gilding
 - vii. Stenciling
 - viii. Restoration and repair
 - ix. Faux
 - b. Materials:
 - i. Glazing liquid
 - ii. Colorant tints
 - iii. Extenders
 - iv. Thinners
 - v. Sizing
 - vi. Basecoats
 - vii. Topcoats
 - viii. Metal leaf
 - ix. Control sample
 - x. Substrate
 - c. Tools:
 - i. Brushes
 1. Synthetic
 2. Natural
 3. Softening
 4. Flocking
 5. Taker
 6. Stencil
 7. Artist
 - ii. Rollers
 1. Size
 2. Natural
 3. Synthetic
 4. Rag
 5. Grain
 - iii. Combs
 1. Size
 2. Graining
 3. Strie
 4. Denim
 - iv. Sponge
 - v. Rag,paper,plastic
 - vi. Feather
 - vii. Steel wool
 - viii. Rocker grainer
 - ix. Rubber wiper
 - x. Burnisher
 - xi. Sandpaper

- xii. Tray
- xiii. Palette
- d. Explain the purpose of decorative coatings
 - i. To replicate
 - ii. To change the appearance
 - iii. Functionality
- e. Identifying technique
 - i. Visual
 - ii. Touch
 - iii. Reference manuals
 - iv. Samples
- f. Identifying tools
 - i. Visual
 - ii. Reference manuals
 - iii. Samples
- g. Explain Application for each technique
 - i. Glazing
 - ii. Antiquing
 - iii. Wood Graining
 - iv. Marbleizing
 - v. Stipple and texture
 - vi. Gilding
 - vii. Stenciling
 - viii. Restoration and repair
 - ix. Faux
- 2. Preparation and Application
 - a. Prepare surfaces
 - i. Visual inspection
 - ii. Touch inspection
 - iii. Sanding/Scuffing
 - iv. Priming
 - v. Painting
 - vi. Sealing
 - vii. Masking
 - viii. Covering
 - ix. Lighting
 - b. Prepare materials and tools
 - i. Visual inspection
 - ii. Verification
 - iii. Mixing
 - iv. Tinting
 - v. Straining
 - vi. Cleaning
 - vii. Tempering
 - viii. Selection
 - ix. Storage
 - c. Application techniques
 - i. Brush
 - ii. Roller
 - iii. Spray
 - iv. Wipe on/off
 - v. Pounce/dab
 - vi. Comb
 - vii. Feather
 - viii. Hand movement
 - ix. Tool placement
 - d. PPE

- i. Gloves
 - 1. Solvent resistant
 - 2. Nitrile
 - 3. Cotton
- ii. Safety glasses/shield
- iii. Respiratory protection
 - 1. Oil based
 - 2. Waterbased
 - 3. Dust
- iv. Hard hat
- v. Protective clothing
- e. NIOSH
- f. ANSI
- g. Storage and Disposal
 - i. SDS
 - ii. Flammable material storage
 - iii. Water based storage
 - iv. Rag Storage/disposal
 - v. Waste material storage/removal/disposal
 - vi. EPA regulations
 - vii. OSHA regulations

DAY 1

- History
- Terminology
- Techniques explained
- Review and test

DAY 2

- Review terminology and techniques
- Identification of techniques and tools
- Preparation of jobsite and surfaces
- Preparation of tools and materials
- Review and test

DAY 3

- Donning and doffing PPE
- Storage and disposal
- Mixing and tinting
- Application of primer or basecoat
- Review

DAY 4

- Tool selection and prep
- Application of various decorative coatings
- Review

DAY 5

- Tool selection and prep
- Application of various decorative coatings
- Visual assessment of application
- Finish coat
- Review and test

Resources

Painting and Decorating Contractors of America. *Painting and Decorating Craftsman's Manual and Textbook*. Fairfax: Painting and Decorating Contractors of America, 1995.

National Painting, Decorating and Drywall Apprenticeship and Manpower Training Fund. *Special Decorative Finishes Instructor's Guide*. (Latest edition). Washington, DC: National Painting, Decorating and Drywall Apprenticeship Manpower Training Fund, 1976.

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

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

Resources Other

1. [NIOSH](#)
2. [ANSI](#)
3. [OSHA](#)

Top of page

Key: 666