

ATPT-1300: INTRODUCTION TO PAINTING, DRYWALL FINISHING, AND GLAZING

Cuyahoga Community College

Viewing: ATPT-1300 : Introduction to Painting, Drywall Finishing, and Glazing

Board of Trustees:

September 2025

Academic Term:

Fall 2025

Subject Code

ATPT - Appld Indus Tech - Painting

Course Number:

1300

Title:

Introduction to Painting, Drywall Finishing, and Glazing

Catalog Description:

Introduction to basic painting trades skills, including history, apprenticeship rights and responsibilities; painting, drywall finishing, glazing, and sign and display terminology; tools, materials, and equipment; preparation and application procedures; and safety practices.

Credit Hour(s):

2

Lecture Hour(s):

2

Requisites

Prerequisite and Corequisite

Admission to Painters Technology apprenticeship program, or departmental approval.

Outcomes

Course Outcome(s):

Explain the rights and responsibilities of apprentices, history of the trades and apprenticeship, and identify and define the basic terms of painting and allied trades.

Objective(s):

1. Identify the historical reason for unionization.
2. Describes the strengths and weaknesses of the labor union.
3. Explain how unions promote the trade and serve its members.
4. Identify the roles and responsibilities of the end users, contractors, union, and rank and file.
5. Identify what the union provides on an ongoing basis to its members and affiliates.
6. Discuss the generational changes in rank and file attitudes and behaviors.
7. Recognize basic painting and allied trades terminology.
8. Identify the materials, tools, and equipment of the various trades.

Course Outcome(s):

Solve basic math problems and identify various standards of measurement including the metric system.

Objective(s):

1. Add, subtract, multiply, and divide whole numbers, with and without a calculator.
2. Use a standard ruler, a metric ruler, and a measuring tape to measure
3. Add, subtract, multiply and divide fractions.
4. Add, subtract, multiply and divide decimals, with and without a calculator.
5. Convert decimals to percentages and percentages to decimals.
6. Explain what the metric system is and how it is important in the construction trades.
7. Recognize and use metric units of length, weight, volume, and temperature.
8. Recognize some of the basic shapes used in the construction industry and apply basic geometry to measure them.

Course Outcome(s):

Follow general safety and health procedures, identify safety concerns at jobsites that are healthcare facilities, and perform basic first aid/CPR if needed.

Objective(s):

1. Explain and demonstrate general safety and health procedures.
2. Discuss safety concerns related to working at jobsites that are healthcare facilities.
3. Demonstrate basic first aid and cardiopulmonary resuscitation (CPR).
4. Discuss the role of OSHA in job-site safety.

Methods of Evaluation:

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

Course Content Outline:

1. Introduction: the apprentice and the trade
 - a. History of painting and allied trades
 - b. The apprenticeship system
 - c. Apprenticeship rights and responsibilities
2. Common trade terms
3. Math review
 - a. Basic math
 - b. Standards of measurement
 - c. Metric system
4. Materials, tools, and equipment
 - a. Paints and coatings
 - b. Brushes, rollers, and spray equipment
 - c. Hand tools, taping and automatic taping tools for drywall finishing
 - d. Hand and glass cutting tools for glazing
 - e. Hand and power tools for sign and display
 - f. Other materials, tools, and equipment
5. Ladders and scaffolds
 - a. Ladders and related equipment
 - b. Scaffolding and rigging
6. Preparation and application procedures for painters and drywall finishers
7. Introduction to drywall finishing
 - a. Tools and materials
 - b. Wall preparation, filling compounds and repair
 - c. Taping and texturing
 - d. Blueprints
8. Introduction to glazing

- a. Hand tools
- b. Glass cutting and installation
- c. Welding
- d. Metal, door, and curtain wall fabrication and installation
- e. Transits and levels
- 9. Introduction to sign display
 - a. Layout, plastic face and sign casting
 - b. Welding
 - c. Fluorescent and neon signs
 - d. Letter fabrication
 - e. Computer instruction
- 10. Safety and the trades
 - a. General safety and health
 - b. First aid
 - c. Occupational Safety and Health Act
 - d. Safety and the trades

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

Resources for the Instructor

Brushwell, William ed. *Painting and Decorating Encyclopedia*. 5th Edition. South Holland: Goodheart-Willcox Co. (Latest edition), 1982.

International Brotherhood of Painters and Allied Trades Joint Apprenticeship and Training Fund. "The Apprenticeship Painter and The Trade"

International Brotherhood of Painters and Allied Trades Joint Apprenticeship and Training Fund. "Painting, Decorating and Drywall Apprenticeship Training Course Basic Manual"

International Brotherhood of Painters and Allied Trades Joint Apprenticeship and Training Fund. "Safety Overview A Curriculum for Members of The International Brotherhood of Painters and Allied Trades"

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