

# ATPT-2320: SAFE WORK PRACTICES

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## Cuyahoga Community College

### Viewing: ATPT-2320 : Safe Work Practices

**Board of Trustees:**

2001-04-26

**Academic Term:**

Spring 2019

**Subject Code**

ATPT - Appld Indus Tech - Painting

**Course Number:**

2320

**Title:**

Safe Work Practices

**Catalog Description:**

Instruction in basic and advanced safe work practices including general safe work practices, power tools, shop machinery, and advanced OSHA-30 rules.

**Credit Hour(s):**

3

**Lecture Hour(s):**

3

## Requisites

**Prerequisite and Corequisite**

ATPT-1300 Introduction to Painting, Drywall Finishing and Glazing, and ATPT-1320 Safety Standards for Construction (OSHA-10); or departmental approval.

## Outcomes

**Course Outcome(s):**

N/A

**Objective(s):**

1. Consistently demonstrate safe work practices.
2. Explain and demonstrate safe procedures for operating power tools.
3. Explain and demonstrate the proper and safe procedures for operating various shop machinery.
4. Explain various OSHA standards and procedures especially regarding personal protective equipment, materials handling, toxic and hazardous substances and lead hazards.

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**Methods of Evaluation:**

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

**Course Content Outline:**

1. Review course title "Safety Standards for Construction (OSHA-10)"
2. Safe work practices
  - a. Lifting and carrying
  - b. Working at heights
  - c. Solvents and hazardous materials

- d. Tool safety
- e. Guards, barricades, trucks in work area, lockout procedures
- 3. Power tool safety
  - a. General safety rules for all power tools
  - b. Using guards and extension cords
  - c. Grounding power tools
  - d. General saw safety
  - e. Safety for drill motors
  - f. Other power tools
- 4. Shop machine safety
  - a. General safety rules for all shop machinery
  - b. Bench grinders and saws
  - c. Drill presses, pattern routers, and other machines
  - d. Gasoline powered generators and equipment
  - e. Grounding electrical machinery
  - f. Extension cords
- 5. OSHA-30 (optional)
  - a. OSHA standards, competent person, and citation policy
  - b. Safety programs, health hazards, and hazard communication
  - c. Personal protective equipment and materials handling
  - d. Tools, welding, cutting, electrical, scaffolding, and fall protection
  - e. Cranes, derricks, hoists, and mechanized equipment
  - f. Excavations and confined spaces
  - g. Concrete and masonry, stairways and ladders
  - h. Steel erection and compressed air
  - i. Toxic and hazardous substances and lead hazards in construction

## Resources

International Brotherhood of Painters Allied Trades Joint Apprenticeship and Training Fund. *Power Tool Safety Part One*. Washington, DC: Internat'l Brotherhood of PaintersAllied Trades Joint ApprenticeshipTraining Fund, 1995.

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International Brotherhood of Painters Allied Trades Joint Apprenticeship Training Fund. *Power Tool Safety Part Two*. Washington, DC: Internat'l Brotherhood of PaintersAllied Trades Joint ApprenticeshipTrainingFund, 1995.

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Occupational Safety and Health Administration, United States Department of Labor. *Occupational Safety and Health Standards for the Construction Industry*. Washington, DC: CCH Incorporated, 1999.

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International Brotherhood of Painters Allied Trades Joint apprenticeship Training Fund. *Safe Work Practices Two*. Washington, DC: Internat'l Brotherhood of PaintersAllied Trades Joint ApprenticeshipTrainingFund, 1997.

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International Brotherhood of Painters Allied Trades Joint apprenticeship Training Fund. *Shop Machinery Safety*. Washington, DC: Internat'l Brotherhood of PaintersAllied Trades Joint ApprenticeshipTraining Fund, 1998.

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