

# ATPL-1210: STATE OF OHIO PLUMBING CODE II

---

## Cuyahoga Community College

**Viewing: ATPL-1210 : State of Ohio Plumbing Code II**

**Board of Trustees:**

2012-06-28

**Academic Term:**

Spring 2019

**Subject Code**

ATPL - Applied Ind Tech - Plumbers

**Course Number:**

1210

**Title:**

State of Ohio Plumbing Code II

**Catalog Description:**

A study of the State of Ohio Plumbing Code with concentration on governing provisions of venting materials, design, construction, and installation of venting systems. In addition, code provisions covering fixtures, faucets and fittings, special health care regulations, and indirect waste systems are included.

**Credit Hour(s):**

2

**Lecture Hour(s):**

2

## Requisites

**Prerequisite and Corequisite**

Departmental approval: admission to Plumbers' apprenticeship program.

## Outcomes

**Course Outcome(s):**

1. Interpret the State Code to identify the provisions governing the materials, design, construction and installation of vent systems.

---

**Course Outcome(s):**

2. Analyze the Code to differentiate between different fixture materials, identify minimum and accessible plumbing facilities and provisions for fixture installation.

---

**Course Outcome(s):**

3. Identify aspects of the Code that govern health care systems in the area of fixtures and equipment, water supply, and sanitary drainage.

---

**Course Outcome(s):**

4. Interpret the Code to identify matters concerning indirect waste piping, special wastes, food-handling establishments, swimming pools, and methods of providing air breaks and neutralizing devices for corrosive wastes.

---

**Methods of Evaluation:**

1. Homework
2. Quizzes

- 3. Tests
- 4. Participation

**Course Content Outline:**

- 1. Vent systems
  - a. Materials
    - i. Copper
    - ii. Lead
  - b. Outdoor installations
    - i. Vent extensions
    - ii. Stacks
    - iii. Terminations
    - iv. Connections
  - c. Terminals
    - i. Roof extensions
    - ii. Frost closure
    - iii. Flashings
    - iv. Locations
  - d. Vent connections and grades
    - i. Connections
    - ii. Drainage system vent connections
    - iii. Vertical vent rise
    - iv. Future fixtures
- 2. Fixtures
  - a. Materials
    - i. Types
    - ii. Quality
    - iii. Specialty
  - b. Building use
    - i. Occupancy
    - ii. Description
  - c. Fixture installation
    - i. Water supply protection
    - ii. Setting of fixtures
    - iii. Connections
      - 1. Wall
      - 2. Floor
  - d. Securing fixtures
    - i. Wall and floor installation
    - ii. Joints
      - 1. Water tight
      - 2. Slip joint
- 3. Health care provisions
  - a. Approval requirements
    - i. Equipment
    - ii. Devices
    - iii. Special equipment
  - b. Water supply contamination
    - i. Backflow
    - ii. Flooding
  - c. Fixture installation
    - i. Water supply protection
    - ii. Fixture setting
    - iii. Drain connections
  - d. Sanitary drainage
    - i. Indirect waste
    - ii. Disposal systems
    - iii. Sterilizers
- 4. Indirect waste

- a. Pipe types, sizes and waste receptors
- b. Food handling equipment
  - i. Storage
  - ii. Handling
  - iii. Discharge
- c. Pools
  - i. Filter back wash
  - ii. Air gaps and breaks
- d. Corrosive waste
  - i. Liquids
  - ii. Spent acids
- e. Material and joint connections

## Resources

State of Ohio. *2007 Ohio Plumbing Code*. Country Club Hills, IL : International Code Council, 2007.

---

Bliss, George H.; Parkers Charles. *Drainage: For United Association Journeyman's Apprentices*. 3rd Edition. Annapolis, MD:Joint Training Committee, Inc., 2004.

---

## Resources Other

1. Power points and handouts - Plumbers Local 55 JATC

Top of page

Key: 616