

# ATPL-2440: CITY OF CLEVELAND PLUMBING LICENSE

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## Cuyahoga Community College

**Viewing: ATPL-2440 : City of Cleveland Plumbing License**

**Board of Trustees:**

2012-06-28

**Academic Term:**

Spring 2019

**Subject Code**

ATPL - Applied Ind Tech - Plumbers

**Course Number:**

2440

**Title:**

City of Cleveland Plumbing License

**Catalog Description:**

Certification course identifies the natural gases that are installed for application in the medical industry and discusses their environmental effects. Discussion of methods of installation and maintenance while addressing safety concerns with installations.

**Credit Hour(s):**

1

**Lecture Hour(s):**

1

## Requisites

**Prerequisite and Corequisite**

Departmental approval: admission to Plumbers' apprenticeship program.

## Outcomes

**Course Outcome(s):**

1. Review the plumbing code of the City of Cleveland and answer random questions regarding drainage and venting.

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**Course Outcome(s):**

2. Review different testing strategies and develop skills needed to prepare for taking tests.

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**Course Outcome(s):**

3. Examine various sample tests and building drawings to develop procedures to take code examinations.

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**Methods of Evaluation:**

1. Homework
2. Quizzes
3. Tests
4. Participation

**Course Content Outline:**

1. Plumbing Code Review
  - a. Schematic drawings
    - i. Water supply
    - ii. Waste discharge
    - iii. Venting requirements

1. Systems recognition
2. Pipe sizing charts
3. Fixture placement approvals
- b. Drain and vent locations
  - i. Mechanical drawings
  - ii. Centerline to centerline dimensions
  - iii. Practical exercises
- c. Isometric drawings
  - i. Pipe cut lists
    1. Vents
    2. Drains
  - ii. End to end measurements
  - iii. 45 degree calculations
- d. Building drains
  - i. Strategies of installation
  - ii. Code requirements
2. Testing strategies
  - a. Time management
    - i. Organization of materials
    - ii. Study locations
  - b. Tips
    - i. Pre-test
    - ii. Test day
  - c. Note taking practices
  - d. Distractions
  - e. Attitude
3. Practice tests
  - a. Building drawings
    - i. First floor
    - ii. Architectural
    - iii. Isometric piping plan
  - b. Fixture locations
    - i. Drain and pipe sizes
    - ii. Drainage fixture units (DFU)
    - iii. Relative locations
    - iv. Practice test exercises

## Resources

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

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## Resources Other

1. Related Mathematics, Copyright 2002 I.P.C.J.T.C.
2. 2011 Plumbers Local #55 Powerpoints and Developed Length Diagrams

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