

ATPL-2320: STATE OF OHIO PLUMBING CODE III

Cuyahoga Community College

Viewing: ATPL-2320 : State of Ohio Plumbing Code III

Board of Trustees:

2012-06-28

Academic Term:

Spring 2019

Subject Code

ATPL - Applied Ind Tech - Plumbers

Course Number:

2320

Title:

State of Ohio Plumbing Code III

Catalog Description:

Review of the State of Ohio Plumbing Codes I & II with the study of storm and sanitary drainage.

Credit Hour(s):

2

Lecture Hour(s):

2

Requisites

Prerequisite and Corequisite

Departmental approval: admission to Plumbers' apprenticeship program.

Outcomes

Course Outcome(s):

1. Apply the safety provisions of the code with respect to fire protocol and trenching.

Course Outcome(s):

2. Install the respective drainage systems using proper tools, materials, and layout procedures.

Methods of Evaluation:

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

Course Content Outline:

1. Safety
 - a. Fire protocol
 - b. Health issues
 - c. Personal protective equipment
2. Installation
 - a. Tools
 - i. Hand
 - ii. Power
 - iii. Specialty
 - b. Materials

- i. Piping
- ii. Fittings
- c. Layout procedures
 - i. Mechanical drawings
 - ii. Roof plans
 - iii. Site plans
 - iv. Applied field geometry
 - v. Basic electricity
- 3. Science of disposal
 - a. Storm water
 - i. Roof water
 - ii. Roof drains
 - iii. Catch basins
 - b. Hydraulic
 - c. Vacuum vs. Positive pressure
- 4. Drainage components and systems
 - a. Storm water
 - i. Roof drains and pans
 - ii. Gutters and downspouts
 - iii. Catch basins and retention ponds
 - b. Sanitary waste
 - i. Kitchens and bathrooms
 - ii. Industrial
 - iii. Medical
 - c. Pumps and footing drains

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. Drainage – Textbook from the International Union of Plumbers
2. Powerpoints and handouts - Plumbers Local 55 JATC

Top of page

Key: 627