PHCC Academy®
Plumbing 201 6th Edition Syllabus

Course Contact for Registration and Non-LMS Questions
State Chapter Partner
Refer to https://phccacademy.org/state-chapter-partner-contacts/

Course Contact for Technical Problems in Absorb LMS
PHCC Academy® Staff - AcademySupport@naphcc.org

Prerequisites
Plumbing 101 or equivalent

Welcome to the PHCC Academy® Online Apprenticeship-Related Technical Instruction course for Plumbing 201!

This program is designed to provide students who cannot attend classes in a traditional apprentice program with the same opportunity to learn the textbook fundamentals of the trade. This training course must be supplemented by your employer, through both technical assistance and on-the-job training in each area of instruction in the book.

Course Goals
- To familiarize students with water distribution systems
- To familiarize students with sizing of water distribution and DWV systems
- To provide students with an understanding of mathematical concepts necessary for plumbing work
- To provide students with an understanding of interpreting trade drawings and sketches
- To introduce students to venting systems
- To introduce students to safety concepts for typical plumbing work

Required Textbook (Purchased Separately)
PHCC Educational Foundation Plumbing Apprentice & Journeyman Training Committee (2015). Plumbing 201, 6th ed. Clifton Park, NY: Delmar, Cengage Learning.

Assignments
In each module you will be required to do the following:
- Read Chapter
- Review PowerPoint
- Watch Lesson
- Take Exam

© 2025 PHCC Educational Foundation. All Rights Reserved.

The Modules are titled as follows:

- Module 1 - Communication Skills & Professionalism
- Module 2 - Pipe Joining Techniques
- Module 3 - Special Applications of Plastic Pipe and Fittings
- Module 4 - Introduction to Welding
- Module 5 - Soldering, Brazing, Cutting, & Gas Welding
- Module 6 - Piping Materials, Sources, & Distribution for Potable Water
- Module 7- Water Pipe Sizing: Main-and-Branch & Individual Run Systems
- Module 8 - Water Heaters and Hot Water Distribution
- Module 9 - Cross-Connection Protection and Pipe Identification
- Module 10 - Sewers and Sewage Disposal Methods
- Module 11 - Drainage Fixture Units
- Module 12 - Building Drains
- Module 13 - Stacks
- Module 14 - Applied Plumbing Mathematics
- Module 15 - Applied Geometric Concepts
- Module 16 - Properties of Water & Air
- Module 17 - Venting Plumbing Drainage Systems
- Module 18 - Sump Pumps, Sewage Pumps, & Sewage Ejectors
- Module 19 - Plumbing Traps
- Module 20 - Fixture Supports
- Module 21 - Hoisting and Rigging
- Module 22 - Safety Concepts
- Module 23 - Rough-In Sheets, Single Line Drawings, & Isometric Drawings
- Module 24 - Details, Sections, and Exploded View Drawings
- Comprehensive Final Exam

© 2025 PHCC Educational Foundation. All Rights Reserved.