



Plumbing Components and Codes

Course Outline

By

Casey, O'Malley Associates

Course description/abstract:

This two-hours session will explore various newer plumbing product introductions and codes and their function with respect to intended performance. Additionally, we will discuss modalities and evidences of failures and/or improper installations and review several actual case studies. Our emphasis will be the importance of keeping up to date with all systems to be a cutting edge inspector.

Goal:

Upon completion of this class, students will be more knowledgeable regarding the fundamental function of various newer plumbing products and application to residential inspection. Students will also be more knowledgeable regarding the appropriate conditions observed that warrant recommendation of further analysis.

Learning Objectives:

Upon completion of the course students will be able to demonstrate a working knowledge of:

1. Nomenclature specific to various newer plumbing systems from PEX to disappearing urinals and their relation to Home Inspection
2. Identify these newer products
3. Identify Modalities and evidences of failure
4. Common "defects" and recognition

Books and Handouts:

PowerPoint Presentation by Michael Casey "What's New With Plumbing"



Evaluation:

Class participation

Class Schedule

Significant recent code changes	15 mins
Cross Linked polyethylene & Lawsuits	15 mins
Copper press fittings and quick connect fittings	10 mins
Thermal expansion and various methods of control	10 mins
TPRV's and auto gas shutoffs	10 mins
Tankless & Condensing water heaters	20 mins
CSST gas tubing	10 mins
Cross connection control	10 mins
Folding urinals	10 mins
Case studies	10 mins

Or other instructor approved by COA

Bio:

Michael is a partner with Casey, O'Malley Associates; a national A.M. Best recommended consulting firm based in San Diego. Mike is a past president of the California Real Estate Inspection Association (1994/1995) and of the American Society of Home Inspectors (ASHI) (2002). Mike is multi-code certified by the ICC and IAPMO. He is a licensed general, plumbing and mechanical contractor in several states and a Virginia Certified home inspector. Besides co-authoring several books in the *Code Check* series, Michael has authored numerous other books, and has taught home and building inspection and has an expert witness and claims consulting practice throughout North America since 1987. Mike has inspected over 10,000 buildings in his over 25-years career in the inspection profession.

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