



MONDAY 3/21 SESSIONS

2015 UPC/IPC Code Changes — Half Day AM

CEU: 0.4

Session 7



Keep up-to-date on the *Uniform Plumbing Code*® (UPC®) and the *International Plumbing Code*® (IPC®) by learning about the changes from the 2012 to the 2015 editions. The notable changes to the code will be discussed in-depth and in a way that makes the discussion meaningful to attendees. Each notable change will be shown so attendees can see exactly how the code changed. Further discussions will examine why the code changed and what impact it will have on the code enforcement and installer communities.

Experience Level: All

Instructor: Tim Collings

2015 UMC/IMC Code Changes — Half Day PM

CEU: 0.4

Session 8



Keep up-to-date on the *Uniform Mechanical Code*® (UMC®) and the *International Mechanical Code*® (IMC®) by learning about the changes from the 2012 to the 2015 editions. The notable changes to the code will be discussed in-depth and in a way that makes the discussion meaningful to attendees. Each notable change will be shown so attendees can see exactly how the code changed. Further discussions will examine why the code changed and what impact it will have on the code enforcement and installer communities.

Experience Level: All

Instructor: Tim Collings

TUESDAY 3/22 SESSIONS

2012 UPC/IPC Workshop — Half Day AM

CEU: 0.4

Session 25



Apply your code knowledge of the *Uniform Plumbing Code*® (UPC®) and the *International Plumbing Code*® (IPC®) and expertise in this dynamic, hands-on workshop. Attendees will examine drawings of plumbing systems and installations for code violations in a cooperative and collaborative environment with their peers. Each drawing is designed to challenge attendees on parts of the code that are frequently misunderstood or in frequent violation. Attendees will work in groups during the workshop exercise and their findings, as well as those presented by the instructor, will be shared with the rest of the attendees for a robust learning experience.

Experience Level: All

Instructor: Tim Collings

2012 UMC/IMC Workshop — Half Day PM

CEU: 0.4

Session 26



Apply your code knowledge of the *Uniform Mechanical Code*® (UMC®) and the *International Mechanical Code*® (IMC®) and expertise in this dynamic hands-on workshop. Attendees will examine drawings of mechanical systems and installations for code violations in a cooperative and collaborative environment with their peers. Each drawing is designed to challenge attendees on parts of the code that are frequently misunderstood or in frequent violation. Attendees will work in groups during the workshop exercise and their findings, as well as those presented by the instructor, will be shared with the rest of the attendees for a robust learning experience.

Experience Level: All

Instructor: Tim Collings

WEDNESDAY 3/23 SESSIONS

2015 UPC/UMC Combination Inspections

CEU: 0.8

Session 45



With the increasing budgetary and staffing restraints being experienced on code enforcement departments across the country, more and more jurisdictions have to rely on performing combination inspections rather than having dedicated inspectors for each trade. This seminar is designed to provide the inspection and code basics for combination inspectors who find themselves inspecting plumbing and mechanical systems but have a background in another trade. The basics of the UPC and UMC will be discussed and organized in a manner that assists combination inspectors in understanding and enforcing these codes.

Experience Level: All

Instructor: Dan Rademacher

2016 IAPMO Plumbing & Mechanical Classes



THURSDAY 3/24 SESSIONS

2015 UMC Special Topics: Access and Protection of Equipment and Installation of Specific Appliances —
 Half Day AM CEU: 0.4 Session 62



Dig a bit deeper into the UMC with these two specific topics. The second topic discusses the proper installation of specific appliances per the 2015 *Uniform Mechanical Code*[®] (UMC[®]). Participants will walk away with a better understanding of the proper installation requirements and other related code provisions that guide these installations.

The purpose and mission of the UMC is to ensure the safe installation and use of mechanical systems and appliances. The portion of the class covering mechanical equipment access will cover access requirements to get to and safely service appliances on roofs and will specifically cover ladder, platform, and roof hatch requirements. Other topics will include access to equipment in attics, crawlspaces and other locations along with other special requirements such as walkways, service platforms, ceiling heights, lighting and certain energy code issues to watch for.

Experience Level: All Instructor: Dan Rademacher

2012 UPC Advanced Topics: Point of Use Tempering Mixing Valves and Thermal Expansion — Half Day PM
CEU: 0.4 Session 63



To help take your level of expertise to a higher level, this seminar has been designed to discuss two very specific topics – point of use mixing valves and thermal expansion. Despite being around for quite some time, point of use tempering mixing valves seem to cause confusion and are often not well understood. This session will discuss these valves and how they work, where and when they should be installed, as well as the ASSE standards that govern their use.

Thermal expansion in a piping system can lead to pipe failures and inefficient systems if not taken into consideration. This presentation discusses the concept of thermal expansion so that participants understand the physical changes that are occurring during this process. Also covered will be the code requirements that are in place to safeguard from the negative effects that can occur as a result of thermal expansion.

Experience Level: All Instructor: Dan Rademacher

FRIDAY 3/25 SESSIONS

Inspecting Solar Water Heating and Radiant Systems — Half Day AM CEU: 0.4 Session 82



Recent years have seen an increase in the number of solar and radiant installations. As these systems become more popular, inspectors will need to be prepared to inspect them properly. This seminar discusses how solar water heating and radiant heating and cooling systems work, their common system designs and components. Attendees will then learn what parts of the system need the most attention during inspection, what to look for and common mistakes made during installations.

Experience Level: All Instructor: Laura Biggie

Emerging Technologies in the Plumbing and Mechanical Fields — Half Day PM CEU: 0.4 Session 83



Technology is continually advancing in an attempt to simplify tasks and create higher levels of work efficiency. The inspection profession has seen a dramatic increase in the use of modern technology in the field in recent years. From the physical technology that inspectors use in the field, to the inspection management software jurisdictions use, to where technology is going in this profession, this presentation will discuss what is being observed (the good and sometimes not so good) in the real world. This informative seminar discusses the emerging technology and trends in the code enforcement field as well as new products and installations that will be seen in the field in the near future.

Experience Level: All Instructor: Laura Biggie