



Building  
the foundation  
for Oregon's future

## Residential Plumbing Inspector Cross-training Course Syllabus – 2025

Class days – Mondays and Wednesdays, 1-3 p.m.

Progress exam days – Online unless otherwise communicated 1:00-5:00 p.m.

*Please note: This syllabus is a guideline. As the course proceeds, some lessons may take longer to complete which will bump all future lessons and/or progress exams forward and dates will no longer be accurate. Course could be extended an additional two-weeks. However, the lessons and associated homework will remain the same even if the dates change.*

### Week 1 (July 14 & 16)

**July 14: first day of course, attendance via webcam & mic required, 1-5 p.m.**

- Welcome
- Student roles and responsibilities
- Review of course details
- Ethics presentation
- **Lesson 1: Administration**

### Week 2 (July 21 & 23)

- **Lesson 1: Administration** (Continued)

### Week 3 (July 28 & 30)

- **Lesson 2: Plumbing utilities** scoping of water, sewer, storm

### Week 4 (August 4 & 6)

- **Lesson 2: Plumbing utilities** scoping of water, sewer, storm (Continued)
- **Lesson 3: Change of direction and trap arms**

### Week 5 (August 11 & 13)

- **Lesson 3: Change of direction and trap arms** (Continued)
- **Review: Lessons 1-3**

### Week 6 (August 18 & 20)

**August 18 attendance via webcam & mic required, 1-5 p.m. (exam may be bumped forward)**

- **Progress Exam #1: 52** questions based on lessons 1 thru 3
- **Review exam**
- **Lesson 4: Underfloor plumbing**

### Week 7 (August 25 & 27)

- **Lesson 4: Underfloor plumbing** (Continued)
- **Lesson 5: Underfloor plumbing** continued

**September 1: closed, no class**

### Week 8 (September 3)

- **Lesson 5: Underfloor plumbing** continued (Continued)
- **Lesson 6: Top out plumbing**

### Week 9 (September 8 & 10)

- **Lesson 6: Top out plumbing** (Continued)

**September 15 & 17: No class**

### Week 10 (September 22 & 24)

- **Lesson 6: Top out plumbing** (Continued)
- **Review: Lessons 1-6**

### Week 11 (September 29 & October 1)

**September 29: attendance via webcam & mic required, 1-5 p.m. (exam may be bumped forward)**

- **Progress Exam #2: 52** questions based on lessons 1 thru 6
- **Review exam**

### Week 12 (October 6 & 8)

- **Lesson 7: Special Inspection** of sewage ejectors and macerating grinders
- **Lesson 8: Venting methods**

### Week 13 (October 13 & 15)

- **Lesson 8: Venting methods** (Continued)
- **Lesson 9: Shower pan** inspection and jacuzzi tub pumps

### Week 14 (October 20 & 22)

- **Lesson 10: Traps**
- **Review: Lessons 1-10**

### Week 15 (October 27 & 29)

**October 27: attendance via webcam & mic required, 1-5 p.m. (exam may be bumped forward)**

- **Progress Exam #3: 52** questions based on lessons 1 thru
- **Review exam**

### Week 16 (November 3 & 5)

- **Lesson 11: Water Distribution**

### Week 17 (November 10 & 12)

- **Lesson 12: Water sizing**
- **Lesson 13: Backflow** protection

### Week 18 (November 17 & 19)

- **Lesson 13: Backflow** protection (Continued)
- **Lesson 14: Final Plumbing**

**November 24 & 26: Holiday week, no class**

### Week 19 (December 1 & 3)

- **Lesson 14: Final Plumbing** (Continued)

### Week 20 (December 8 & 10)

- **Review: lessons 1 thru 14**

### Week 21 (December 15 & 17)

**December 15: attendance via webcam & mic required, 1-5 p.m. (exam may be bumped forward)**

- **Progress Exam #4: 52** questions based on lessons 1 thru 14
- **Review exam**
- **Virtual Inspections: Set 1**

### Week 22 (December 22)

- **Virtual Inspections: Set 2**
- **Review: Lessons 1 thru 14**

**Winter Break: No class**

- **December 22 to January 1**

### Week 23 (January 5 & 7)

**Manufactured Housing**

- **Lesson 15a: MHI-plumbing**
- **Lesson 15b: MHI-structural**

### Week 24 (January 12 & 14)

- **Lesson 15c: MHI-electrical**
- **Lessons 16-19**



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Course complete