



Building
the foundation
for Oregon's future

Residential Structural Inspector and Plans Examiner Course Syllabus – Fall 2025

Class days - Tuesday and Thursday, 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 future lessons forward and lesson dates may no longer be accurate. However, the lessons and associated homework will remain the same even if the dates change. This would bump the dates of progress exams as well.

CAS Residential Structural Inspector: Module 1

Week 1 (November 4 and 6)

**November 4: first day of course,
attendance via webcam & mic
required, 1-5pm**

- Welcome, student roles and responsibilities, review of course details
- Ethics presentation
- **Lesson 1: Administration**

November 11: No class

Week 2 (November 13)

- **Lesson 2: Building Planning,**
part 1

Week 3 (November 18 & 20)

- **Lesson 3: Building Planning,**
part 2

Week 4 (November 25)

- **Lesson 4: Foundation**
Construction

November 27: No class

Week 5 (December 2 & 4)

- **Lesson 5: Floor Framing and**
Decks

Week 6 (December 9 & 11)

- Review lessons 1-5

**December 11: attendance via
webcam & mic required, 1-5pm**

- **Progress exam #1: 52**
questions from lessons 1 - 5

Week 7 (December 16 & 18)

- **Lesson 6: General Structural**
Framing
- **Lesson 7: Wall Bracing,**
Part 1

Week 8 (December 23)

- **Lesson 7: (Continued)**
- **Lesson 8: Wall Bracing,**
Part 2

**Winter Break: No class
December 23 to January 1**

2026

Week 9 (January 6 & 8)

- **Lesson 8: (Continued)**
- **Lesson 9: Wall Coverings**

Week 10 (January 13 & 15)

- **Lesson 10: Roof-Ceiling**
Construction
- **Lesson 11: Roof Assemblies**

Week 11 (January 20 & 22)

- Review lessons 6-11

**January 22: attendance via
webcam & mic required, 1-5pm**

- **Progress exam #2: 52**
questions from lessons 6 - 11

Week 12 (January 27 & 29)

- **Lesson 12: Chimneys and**
Fireplaces
- **Lesson 13: Introduction to**
Mechanical

Week 13 (February 3 & 5)

- **Lesson 14: Mechanical Basics**
- **Lesson 15: Ducts & Venting**

Week 14 (February 10 & 12)

Week 15 (February 17 & 19)

Week 16 (February 24 & 26)

**UPDATED: THIS POINT
FORWARD**

Week 17 (March 10-12)

- **Lesson 16: Fuel-Gas**
Introduction & Gas Venting

Week 18 (March 17 & 19)

- **Lesson 17: Gas Piping**
- **Exam Review: lessons 12-17**

**Spring break:
No class March 24 & 25**

Week 19 (March 31 & April 2)

**March 31: attendance via webcam
& mic required, 1-5pm**

- **Progress Exam #3: 52**
questions from lessons 12 – 17
- **Review Exam 3**

Week 20 (April 7 & 9)

- Lesson 18: Energy Efficiency
- Lesson 19: Radon/Swim Pools

Week 21 (April 14 & 16)

- Lesson 20: Virtual Inspections

Week 22 (April 21 & 23)

- Lesson 21: Final Inspection

Week 23 (April 28 & 30)**Manufactured Homes**

- Lesson 22a: MHI-structural
- Lesson 22b: MHI-electrical

Week 24 (May 5 & 7)

- Lesson 22c: MHI-plumbing
- Course review and exam prep

Week 25 (May 12 & 14)

- Review course

May 12: attendance via webcam & mic required, 1-5pm

- Progress exam #4: 52 questions from lessons 1 – 21 (ORSC Chapters 1 – Appendix G)
- Review Progress exam #4

- Lesson 8: Floor Framing

Week 7 (June 30 & July 2)

- Lesson 8: (Continued)
- Lesson 9: Footings & Foundations

Week 8 (July 7 & 9)

- Lesson 9: (Continued)
- Lesson 10: Plan check wrap-up

Week 9 (July 14 & 16)

- Practice Exam Review

July 7: online practice exam w/plans

- Based on CAX lessons 1–21 (ORSC Chapters 1-Appendix G)
- Review practice exam

Week 10 (July 21 & 23)

- Final exam review

July 21: Attendance via webcam & mic required, 1-5pm

- Review progress exam
- Wrap up

July 23 – Projected last day of class. Possible extension of course of up to two weeks – TBA by mid-June 9.**CAX Residential Plans Examiner: Module 2****Week 1 (May 19 & 21)**

- Lesson 1: General Understanding
- Lesson 2: Plan Review Basics

May 25: No class**Week 2 (May 26 & 28)**

- Lesson 3: Architectural Plan Review

Week 3 (June 2 & 4)

- Lesson 4: Structural Load Path

Week 4 (June 9 & 11)

- Lesson 5: Roof Framing
- Lesson 6: Braced Wall Panels- Pt.#1

Week 5 (June 16 & 18)

- Lesson 6: (Continued)
- Lesson 7: Braced Wall Panels- Pt. 2

Week 6 (June 23 & 25)

- Lesson 7: (Continued)