



Building
the foundation
for Oregon's future

Residential Structural Inspector and Plans Examiner Course Syllabus – Winter 2023

Class days - Tuesday and Thursday, 1:30-3:30 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 (February 14 & 16)

February 14: first day of course, attendance via webcam & mic required, 1-5pm

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

Week 2 (February 21 & 23)

- 21: Lesson 2: Building Planning, part 1
- 23: Lesson 2: (Continued)

Week 3 (February 28 & March 2)

- 28: Lesson 3: Building Planning, part 2
- 2: Lesson 3: (Continued)

Week 4 (March 7 & 9)

- 28: Lesson 4: Foundation Construction
- 30: Lesson 4: (Continued)

Week 5 (March 14 & 16)

- 5: Lesson 5: Floor Framing and Decks
- 7: Lesson 5: (Continued)

Week 6 (March 21 & 23)

- 21: Review lessons 1 thru 5
- **March 23: attendance via webcam & mic required, 1-5pm**
- 23: Progress exam #1: 52 questions from lessons 1 - 5

March 27-31 No Class Spring Break

Week 7 (April 4 & 6)

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

Week 8 (April 11 & 13)

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

Week 9 (April 18 & 20)

- 2: Lesson 8: (Continued)
- 4: Lesson 9: Wall Coverings

Week 10 (April 25 & 27)

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

Week 11 (May 2 & 4)

- 2: Review lessons 6 thru 11
- **May 4: attendance via webcam & mic required, 1-5pm**
- 4: Progress exam #2: 52 questions from lessons 6 - 11

Week 12 (May 9 & 11)

- 9: Lesson 12: Chimneys and Fireplaces
- 11: Lesson 13: Introduction to Mechanical

Week 13 (May 16 & 18)

- 16: Lesson 14: Mechanical Basics
- 18: Lesson 15: Ducts & Venting

Week 14 (May 23 & 25)

- 23: Lesson 16: Fuel-Gas Introduction & Gas Venting
- 25: Lesson 16: (Continued)

Week 15 (May 30 & June 1)

- 30: Lesson 17: Gas Piping
- 1: Lesson 17: (Continued)

Week 16 (June 6 & 8)

- 20: Exam review
- 22: Exam review/study time

Week 17 (June 13 & 15)

- 13: Exam review/study time
- **June 15: attendance via webcam & mic required, 1-5pm**
- 15: Progress Exam #3: 52 questions from lessons 12 - 17

Week 18 (June 20 & 22)

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

Week 19 (June 27 & 29)

- 11: Lesson 20: Virtual Inspections
- 13: Lesson 20: (Continued)

July 4: No class

Week 20 (July 6)

- 6: Lesson 21: Final Inspection

(Schedule continued on page 2)

Week 21 (July 11 & 13)

- 11: Lesson 22: Manufactured Homes
- 13: Lesson 22: (Continued)

Week 22 (July 18 & 20)

- 18: Course review and exam prep
- 20: Course review and exam prep

Week 23 (July 25 & 27)

July 25: attendance via webcam & mic required, 1-5pm

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

Possible extension of course of up to two weeks – TBA by early July 2023.

Week 9 (September 26 & 28)

September 26: ONLINE PRACTICE EXAM w/PLANS
 • 19: Based on CAX lessons 1–21 (ORSC Chapters 1–Appendix G)

- 28: Practice Exam Review

Week 10 (October 3 & 5)

- October 3: Attendance via webcam & mic required, 1-5pm

- 5: Review Progress Exam (Attendance not mandatory)

Possible extension of course of up to two weeks – TBA by early September 2023.

CAX Residential Plans Examiner: Module 2

Week 1 (August 1 & 3)

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

Week 2 (August 8 & 10)

- 8: Lesson 3: Architectural Plan Review
- 10: Lesson 3: (Continued)

Week 3 (August 15 & 17)

- 15: Lesson 4: Structural Load Path
- 17: Lesson 4: (Continued)

Week 4 (August 22 & 24)

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

Week 5 (August 29 & 31)

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

Week 6 (September 5 & 7)

- 5: Lesson 7: (Continued)
- 7: Lesson 8: Floor Framing

Week 7 (September 12 & 14)

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

Week 8 (September 19 & 21)

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