



Building
the foundation
for Oregon's future

Residential Structural Inspector and Plans Examiner Course Syllabus – Summer 2022

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 (June 7 & 9)

June 7: first day of course, attendance via webcam & mic required, 1-5pm

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

Week 2 (June 14 & 16)

- 14: Lesson 2: Building Planning, part 1
- 16: Lesson 2: (Continued)

Week 3 (June 21 & 23)

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

Week 4 (June 28 & 30)

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

Week 5 (July 5 & 7)

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

Week 6 (July 12 & 14)

- 12: Review lessons 1 thru 5
- **July 14: attendance via webcam & mic required, 1-5pm**
- 14: Progress exam #1: 52 questions based on lessons 1 thru 5

Week 7 (July 19 & 21)

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

Week 8 (July 26 & 28)

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

Week 9 (August 2 & 4)

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

Week 10 (August 9 & 11)

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

Week 11 (August 16 & 18)

- 16: Review lessons 6 thru 11
- **August 18: attendance via webcam & mic required, 1-5pm**
- 18: Progress exam #2: 52 questions based on lessons 6 thru 11

Week 12 (August 23 & 25)

- 23: Lesson 12: Chimneys and Fireplaces
- 25: Lesson 13: Introduction to Mechanical

Week 13 (August 30 & September 1)

- 30: Lesson 14: Mechanical Basics
- 1: Lesson 15: Ducts & Venting

Week 14 (September 6 & 8)

- 6: Lesson 16: Fuel-Gas Introduction & Gas Venting
- 8: Lesson 16: (Continued)

Week 15 (September 13 & 15)

- 13: Lesson 17: Gas Piping
- 15: Lesson 17: (Continued)

Week 16 (September 20 & 22)

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

Week 17 (September 27 & 29)

- 27: Exam review/study time
- **September 29: attendance via webcam & mic required, 1-5pm**
- 29: Progress Exam #3: 52 questions based on lessons 12 thru 17

Week 18 (October 4 & 6)

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

Week 19 (October 11 & 13)

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

Week 20 (October 18 & 20)

- 18: Lesson 21: Final Inspection
- 20: Lesson 22: Manufactured Homes

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Week 21 (October 25 & 27)

- 25: Lesson 22: (Continued)
- 27: Course Review & Exam prep

Week 22 (November 1 & 3)

- 1: Course review and exam prep
- 3: Course review and exam prep

Week 23 (November 8 & 10)

November 8: attendance via webcam & mic required, 1-5pm

- 8: Progress exam #4: 52 questions based on lessons 1 – 21 (ORSC Chapters 1 – Appendix G)
- 10: Review Progress exam #4

Possible extension of course of up to two weeks – TBA by first week of November 2022.

CAX Residential Plans Examiner: Module 2

Week 1 (November 15 & 17)

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

Week 2 (November 22 & 24)

- 22: Lesson 3: Architectural Plan Review
- Thanksgiving: No class on November 24

Week 3 (November 29 & December 1)

- 29: Lesson 3: (Continued)
- 1: Lesson 4: Structural Load Path

Week 4 (December 6 & 8)

- 6: Lesson 4: (Continued)
- 8: Lesson 5: Roof Framing

Week 5 (December 13 & 15)

- 13: Lesson 6: Braced Wall Panels- Pt.#1
- 15: Lesson 6: (Continued)

Week 6 (December 20 & 22)

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

HOLIDAYS: No class until January 3, 2023. Have a great holiday!

Week 7 (January 3 & 5)

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

Week 8 (January 10 & 12)

- 10: Lesson 9: Footings & Foundations
- 12: Lesson 9: (Continued)

Week 9 (January 17 & 19)

- 17: Lesson 10: Plan check wrap-up

January 19: ONLINE PRACTICE EXAM w/PLANS

- 19: Based on CAX lessons 1–21 (ORSC Chapters 1-Appendix G)

Week 10 (January 24 & 26)

- 24: Practice Exam Review
- January 26: Attendance via webcam & mic required, 1-5pm
- 26: FINAL EXAM: Based on CAX lessons 1–21 (ORSC Chapters 1-Appendix G)

Week 11 (January 31) – Attendance is not mandatory

- 31: Review Progress exam

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