



Building
the foundation
for Oregon's future

Specialized Electrical Inspector Course Syllabus – 2024

Class days – Mondays and Wednesdays, 7:30-9:30 a.m.

Progress exam days – Online unless otherwise communicated 8:00-noon

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 (August 18 & 20)

August 18: first day of course, attendance via webcam & mic required on Zoom.

- Welcome, student roles and responsibilities, review of course details
- Ethics presentation
- **Lesson 1:** Administrative Rules
- **Homework:** review Chapters 1 & Chapter 2
- **Quiz:** Lesson 1

Week 2 (August 25 & 27)

- **Review quiz 1**
- **Lesson 2:** General requirements; Chapter 1 & 2
- **Homework:** review Article 230
- **Quiz:** Lesson 2

September 1: No class

Week 3 (September 3)

- **Review quiz 2**
- **Lesson 3:** Service Inspections
- **Homework:** review Tables 310.15(B)(1), 310.15(C)(1), 250.4(A)(1) through (A)(5), and 250.122(B)
- **Quiz:** Lesson 3

Week 4 (September 8 & 10)

- **Review quiz 3**
- **Lesson 4:** Grounding, bonding, and Fault Current
- **Homework:** review Articles 250.52-53, 250.66, 250.122(B), and 250.92(A)

- **Quiz:** Lesson 4

Week 5 (September 15 & 17)

- **Review quiz 4**
- **Prep for exam:** review lessons 1 thru 4

Week 6 (September 22 & 24)

September 22: attendance via webcam & mic required, 8-12 p.m. (exam may be bumped forward)

- Progress exam #1: 52 questions based on lessons 1 thru 4
- **Review progress exam #1 answers**
- **Lesson 5** Grounding
- **Homework:** review Table 300.5, Articles 330, 334, 356, 358, 310.15(C)(1), and Chapter 9

Week 7 (September 29 & October 1)

- **Lesson 5** cont.
- **Quiz:** Lesson 5
- **Lesson 6:** Chapter 3
- **Homework:** review Articles 450.3, 240.4, 240.21, 240.100, and 240.101.

Week 8 (October 6 & 8)

- **Review quiz 5**
- **Lesson 6** cont.
- **Quiz:** Lesson 6
- **Lesson 7:** Chapter 4 - Article 450 - Transformers
- **Homework:** review Article 625 and 547
- **Quiz:** Lesson 7

Week 9 (October 13 & 15)

- **Review quiz 6 & 7**
- **Prep for exam:** review lessons 5-8

Week 10 (October 20 & 22)

- **Prep for exam:** review lessons 5-8

October 20: attendance via webcam & mic required, 8-12 p.m. (exam may be bumped forward)

- Progress exam #2: 52 questions based on lessons 5 thru 8
- **Review progress exam #2 answers**
- **Lesson 8:** Electric Vehicle Power Transfer and Agricultural Buildings

Week 11 (October 27 & 29)

- **Lesson 8:** cont.
- **Homework:** review Article 590 **Quiz: Lesson 8**
- **Lesson 9:** Temporary Service Inspections
- **Homework:** review Articles 600, 605 and 551 Part VI
- **Quiz:** Lesson 9

Week 12 (November 3 & 5)

- **Review quiz 8 & 9**
- **Lesson 10:** Signs, Office Furnishings, RV Parks **Homework:** review article 690
- **Quiz:** Lesson 10
- **Lesson 11:** Photovoltaics Art.690 **Homework:** review Articles 215 and 225



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Week 13 (November 10 & 12)

- **Lesson 11:** cont.
- **Quiz:** Lesson 11
- **Lesson 12:** Feeders and Outside Branch
- **Homework:** review entire course
- **Quiz:** Lesson 12

Week 14 (November 17 & 19)

- **Review quiz 11 & 12**
- **Exam prep:** Review entire course

Week 15 (November 24 & 26)

November 24: attendance via webcam & mic required, 8-12 p.m. (exam may be bumped forward)

- **Progress exam #3:** 52 questions based on lessons 9 thru 12

November 26: Last day of course

- Review progress exam #3 answers

Possible extension of course of up to two weeks – TBA by mid-September.