



Building
the foundation
for Oregon's future

Specialized Electrical Inspector Course Syllabus – Summer 2023

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 (July 17 & 19)

July 11: first day of course, attendance via webcam & mic required, 8-12 p.m.

- 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 (July 24 & 26)

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

Week 3 (July 31 & August 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 (August 7 & 9)

- **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 (August 14 & 16)

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

August 16: 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

Week 6 (August 21 & 23)

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

Week 7 (August 28 & 30)

- **Lesson 6:** continued
- **Quiz:** Lesson 6
- **Lesson 7:** Chapter 4 - Article 450 - Transformers
- Homework: review Article 625 and 547
- **Quiz:** Lesson 7

September 4: closed, no class

Week 8 (September 6)

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

Week 9 (September 11 & 13)

September 11: 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
- Homework: review Article 590
- **Quiz:** Lesson 8

Week 10 (September 18 & 20)

- **Lesson 9:** Temporary Service Inspections
- Homework: review Articles 600, 605 and 551 Part VI
- **Quiz:** Lesson 9
- **Lesson 10:** Signs, Office Furnishings, RV Parks
- Homework: review article 690
- **Quiz:** Lesson 10

Week 11 (September 25 & 27)

- **Lesson 11:** Photovoltaics Art.690
- Homework: review Articles 215 and 225
- **Quiz:** Lesson 11

Week 12 (October 2 & 4)

- **Lesson 12:** Feeders and Outside Branch
- **Homework:** review entire course
- **Quiz:** Lesson 12
- **Exam prep:** Review entire course

Week 13 (October 9 & 11)

- **Exam prep:** Review entire course

Week 14 (October 16 & 18)

October 9: 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
- Review progress exam #3 answers

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