APR 121M : METERING FUNDAMENTALS I

Transcript title

Metering Fundamentals I

Credits

4

Grading mode

Standard letter grades

Total contact hours

80

Other hours

80

Course Description

This course is designed to instruct second year Meterperson Apprentices on the fundamentals of AC theory. This includes: DC review, trigonometry review, RC, RL, TLC circuits, series and parallel resonance. Apprentices also learn about self-contained three phase metering and refining what they have already learned about single phase metering.

Course learning outcomes

1. Student will explain the separation of voltage and current in an inductive capacitive circuit.
2. Student will compute missing values for any AC or DC combination circuit.
3. Student will test single phase and three phase meters.
4. Student will identify, install and know proper applications for all three phase self-contained meters. (12s, 14s, 5s, 15s, 16s)