
SECTION HEADING

ELEC 2225: Electric Motor Controls II

Description

Electric Motor Controls II describes electromechanical and solid state relays, photoelectric controls, proximity controls, reduced voltage starting, accelerating and decelerating methods and preventive maintenance.

Credits

4

Prerequisite

ELEC 2205

Topics to be Covered

1. Advanced motor control circuits
2. Motor breaking methods
3. Motor starting methods
4. Proximity controls
5. Predictive and preventive maintenance

Learning Outcomes

1. Describe motor stopping methods
2. Describe reduced voltage starting methods
3. Describe types of photoelectric controls
4. Describe types of proximity controls
5. Describe solid state relays, and motor starters
6. Describe variable frequency drives
7. Develop complex motor control circuits
8. Wire photoelectric sensors
9. Wire proximity sensors
10. Wire complex control circuits
11. Demonstrate predictive and preventive maintenance practices

Credit Details

Lecture: 1

Lab: 3

OJT: 0