

APR 201 : ELEC/MFG PLANT 5 - MOTOR CONTROLS

Transcript title

MPE 5 - Motor Controls

Credits

4

Grading mode

Standard letter grades

Total contact hours

84

Other hours

84

Course Description

Course of study includes reversing circuits applied to motors, power distribution systems, transformers, electronic control devices, relays, photoelectric and proximity controls, programmable controllers, starters, preventive maintenance, and the National Electric Code as it applies to these topics. This course is taught in a lecture/lab format, with labs covering wiring and operation of listed equipment to control a small motor.

Course learning outcomes

1. Student will apply theory and techniques of industrial circuitry to typical applications in the trade.
2. Student will explain and practice safety as applied to the course content.
3. Student will describe installation of electrical motors and starters.
4. Student will read and interpret electrical symbols, specifications, and line diagrams.
5. Student will interpret the National Electrical Code requirements as they apply to the subject matter of this course.