

APR 202 MOTOR CONTROLS

CRN 31865

Winter 2022

Instructor Name
Bill Cochovity

Email address
cochovw@linnbenton.edu

Location, Hours, Days
IA 215-213(Lab) Tuesday and
Thursday 6:00-8:50 P.M.

Description

This term will be a continuation of APR 201. As the workbook assignments come to an end there will be focus on how article 430 of the NEC is used for motor circuitry and installation. Weekly code quizzes will familiarize students with the codebook.

Required Materials

- NFPA 70 National electric code
- Electrical Motor Controls for Integrated Systems 5th Edition. (Textbook) ISBN 978-0-8269-1226-8
- Electrical Motor Controls for Integrated Systems 5th Edition. (Workbook) ISBN 978-0-8269-1227-5
- Access to Moodle

Optional Materials

Key Word Index for code quiz

Course Schedule

Week	Topic	Reading	Exercises
Week 1	Contactors/Magnetic Starters	Chapter 12	Worksheets
Week 2	Contactors/Magnetic Starters Motor troubleshooting	Chapter 12	Worksheets
Week 3	Timing and Counting	Chapter 16	Worksheets
Week 4	Timing and Counting	Chapter 16	Worksheets and Lab
Week 5	Solid State Relays and Starters	Chapter 25	Worksheets

Week	Topic	Reading	Exercises
Week 6	Solid State Relays and Starters	Chapter 25	Worksheets
Week 7	Motor Drives	Chapter 26	Worksheets
Week 8	Article 430 (NEC)		
Week 9	Motor Calculations		
Week 10	Applying Motor Calculations		
Week 11	Final		

Additional Information and Resources

Weekly code quiz.