APR 201 Motor Controls Syllabus

Fall 2020

# Instructor Information

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| Bill Cochovity | cochovw@linnbenton.edu | Zoom meetings  Lab IA 213-IA 215 |
| **Instructor Name** | Email address | Location, 6 pm.-9pm.  Tuesday and Thursday |

# General Information

## APR 201 will introduce apprentices to motor theory and design.

# Course Materials

## Required Materials

* NFPA 70 National Electric Code

# Course Schedule

| Week | Topic |  |  |
| --- | --- | --- | --- |
| Week 1 | Course overview |  |  |
| Week 2 | Direct current motor  Theory. |  |  |
| Week 3 | Single phase motor |  |  |
| Week 4 | Single phase motor  Starting methods. |  |  |
| Week 5 | At home assignment  T.B.D. |  |  |
| Week 6 | Induction motors  3 Phase. |  |  |
| Week 7 | Arc flash. NFPA 70E |  |  |
| Week 8 | Conduit |  |  |
| Week 9 | Wiring methods |  |  |
| Week 10 | Troubleshooting |  |  |
| Week 11 | Review |  |  |