The syllabus for ECE 462 could be found at: 
https://sciamble.com/Resources/pe-drives-lab/basic-drives

It comprises of 8 lab experiments which are as follows:

1. **Introduction**: An introduction to the basic components of an electric drive system and general idea of the speed-control of a DC motor.


3. **Characterization of DC motor**: Determining the parameters of a DC motor and modeling it in Workbench simulation software.

4. **DC motor speed control**

5. **Four-quadrant operation of DC motor**

6. **Torque-load angle characteristic and speed control of Permanent AC motor**

7. **Determination of Induction motor parameters**

8. **Torque-speed characteristic and speed control of Induction motors**.