

## **ELEN 4016 Control II Project– Question 1 and 2 Checklist**

1. Physical and model and equations
2. Full state space model
3. Justify linearity based on written equations
4. Test controllability and observability
5. Provide a working MATLAB m-file for the model
6. Generate graphs to show responses to step tests
  - a) Plot of output and reference input on same graph
  - b) Plot of control input
7. Show controller design by choice of feedback gains that meet the chosen design
8. Discuss and make critical evaluation of results