All the material provided in this folder is crucial for the control systems understanding. I don’t expect you to fully understand whatever you read, but I expect you to raise curiosity in yourself and doubts towards your supervisor. Take your time to understand what is going on with controllers and what is the idea behind certain methodology decisions.

Chapters guide:

L01 - p.01-26;

L01LTI - don’t care about stability and frequency response diagrams, but the Bode (really important to understand);

L02controlBasics – everything really important;

L02PID – focus on the controller understanding rather than on the tuning methods. Look at some examples to improve your understanding of the controller;

L03 – p.01-10;

L04 – not mandatory;

L05 – p.12-end;

L06 – good example for the LQR controller, I expect this part to be a little bit tricky to understand;

L07 – the main goal is you to develop an own idea of what the observer is and what i’s purpose is, and than compare with your supervisor;

L08 – other really important controller example (principle close to the Torque Vectoring);

L09nmpc – Grab an idea of the MPC working principle. It can be useful for future implementations;

L09pendulum – good example;

L10 – not needed for VD purposes.