Midterm on 3/2 on Zoom (6:00 - 8:00)

Can use calculators, but only for elementary operations

Need to turn on camera during exam

1. Conceptual Question about control architecture (no math)

2. Find state-space equation (given definition of state, input, output)

    If linear, get A, B, C, D matrices

     $\rightarrow$ Similar to HW

3. Find response of single-input, single-output system

     $\rightarrow$ Similar to HW

4. Solve state-space equation (find $y(t)$ by using matrices)

    First, get $Y(s)$, then do ILT

5. Stability: given A matrix, find out if system is stable

6. Pole placement (find k)

     $\rightarrow$ Similar to HW 5

7. Controllability