ME 345: Modeling and Simulation

SYSTEMS
- time evolution of response

Domains
- mechanical
- hydraulic
- electrical
- springs
- dampers
- masses
- resistors
- inductors
- capacitors

Laws
- constitutive laws
- continuity
- equilibrium
- KVL
- KCL
- Euler
- Runge-Kutta
- eigenvalues
- complex numbers
- modes

Differential Equations
- numerical solutions
- analytical solutions