February 23

- Chapter 6: TDOF - continued
- Sections 6.4 and 6.5: Harmonic and General forcing functions (frequency and time domain)
- Ignore Step response (pp 391-394)
- For Section 6.6: see class handouts
- Skip sections 6.6 to 6.10
Feb 23

- Chapter 8: Multi-degree of Freedom (MDOF)
  - Section 8.1: Writing equations of motion and putting them in matrix form, example 8.1.1 and 8.1.3
    Ignore example 8.1.2 (Lagranges Equations)
  - Review of matrix algebra
  - Matrix form of energy, symmetric mass and stiffness matrices
    Flexibility and stiffness influence matrices, coupling: example 8.1.7
Section 8.2 Modes shapes and the eigenvalue problem, examples including rigid body

Section 8.3: modal analysis: see class handout. Ignore Chleskey decomposition

Section 8.4: damping model in equation 8.4.2 (page 522), coming up with effective damping ratio for different modes, least squares!