- General Advice

  - Master content in HW after midterm
  - Be comfortable w/ algebra only (no #'s !).
    - ↳ Review Solution Sets

- Converter Circuits & DCM

  - Know how basic converters can form basis of other converters & configurations.
  - Know how to analyze DCM of buck, boost, or buck-boost.
    - ↳ sequence of steps to get v/v_g
      - ↳ know how to put in correct quadratic form.

- Magnetics

  - Know how to use magnetics laws in Equation Sheet.
  - Have conceptual understanding of what is happening in material, even @ atomic level.
    - ↳ e.g., what does permeability quantify ?
      what is saturation ?
  - Know how to analyze multi-winding ckt & how to obtain inductances.
  - Understand magnetic ckt equivalents & how to apply right-hand-rule for correct polarities
  - Know how to analyze single-winding gapped inductor
    - ↳ How to pick l_g given saturation requirements.
    - ↳ How to compute $\mathcal{L}$
    - ↳ Exam won't have k_g design method