Study List for Quiz #2:

1. Capacitors (series/parallel combinations).
2. Inductors
3. RC Circuit transients (charging and discharging)
4. RL Circuit transients

Equation List: [units are in square brackets]

$$1/C_S = 1/C_1 + 1/C_2 + 1/C_3 + \dots \qquad C_p = C_1 + C_2 + C_3 + \dots$$

$$v_C = Q/C \; [1 \text{ V}=1 \text{ C/F}] \qquad dv_C/dt = i/C$$

$$\tau_{RC} = RC \; [1 \text{ s} = 1 \; \Omega \cdot F]$$

$$v_L = L(di/dt) \; [1 \text{ V} = 1 \text{ H} \cdot \text{A/s}] \qquad \tau_{RL} = L/R \; [1 \text{ s}=1 \text{ H}/\Omega]$$