EE10 06SU Final Exam
Things to Study

- Thévenin Equivalent: there will be a question on the test about Thévenin Equivalent.
- Max Power Transfer
- Passive Sign Convention
- Loading: of voltage dividers and non-ideal op amps.
- Wheatstone Bridge
- Circuit simplifications and analysis methods
- Mesh-current and node-voltage
- Dependent sources in circuit analysis
- Op amps: linear range, assumptions for ideal op amp, op amp circuits, more realistic model (concepts only)
- Ohm's Law for L & C
- First-order circuits: natural response, forced response, time constant, sequential switching, dependent sources.
- Second-order circuits: damping level, characteristic equation, undamped natural frequency, initial conditions