

# *Exam Topics for ECE 20002 - Electrical Engineering Fundamentals II*

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These are exam topics for spring 2024 ECE 20002 at Purdue as taught by Professor Byunghoo Jung alongside recordings by Professor Michael Capano. Modify, use, and distribute as you please.

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1. RC or RL circuit with input that can be either linear, SSS, or exponential.
2. LC circuit with either linear or SSS input.
3. RLC circuit with linear input, only need to solve a part of the full thing, such as determining conditions for certain kinds of damping, or finding the equation from a midpoint solve.
4. Switched RL or RC circuit with around 3 time intervals
5. Convolution with unit step function
6. Convolution with integration by parts once
7. Laplace Transform with time shift