

Spring 2012

Electronics II

Prerequisites

Electronics I

Syllabus

1. Field-Effect Transistors (FETs)
2. FET Amplifiers
3. Amplifier Frequency Response
4. Op-Amp Frequency Response, Stability and Compensation
5. Special-Purpose Op-Amp Circuits
6. Active Filters
7. Oscillators
8. Voltage Regulators

Text Book

Thomas L. Floyd, "Electronic Devices," 9th ed., 2011. (全華代理)

Optional Text

1. D.A. Neamen, "Microelectronics: circuit analysis and design," 3rd ed., McGraw-Hill, 2007
2. A. S. Sedra and K. C. Smith, "Microelectronic Circuit," 6th ed., Oxford University Press, 2011.

Grading Policy

Quizzes (by 2)	40 %
Midterm	30 %
Final Exam	30 %

Instructor

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