

Spring 2018

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

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," 4th ed., McGraw-Hill, 2010.
2. A. S. Sedra and K. C. Smith, "Microelectronic Circuit," 6th ed., Oxford University Press, 2011.

Grading Policy

Quizzes (by 2)	30 %
Midterm	25 %
Final Exam	25 %
ECG Circuit	20 %

Instructor

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