

Fall 2008

Electronics I

Prerequisites

None

Syllabus

1. Introduction to Semiconductors
2. Diode Applications
3. Special-Purpose Diodes
4. Bipolar junction Transistors
5. Transistor bias Circuits
6. Small-Signal Bipolar Amplifiers
7. Power Amplifiers
8. Thyristors and Other Devices
9. Operational Amplifiers
10. Basic Op-Amp Circuits

Text Book

Thomas L. Floyd, "Electronic Devices," 7th ed., 2005. (全華代理)

Optional Text

A.S. Sedra and K. C. Smith, "Microelectronic Circuit," 5th ed., Oxford University Press.

Grading Policy

Homework: 10%, Quizzes 30 %	40 %
Midterm	30 %
Final Exam	30 %

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