

Fall 2014

Electronics I

Prerequisites

None

Syllabus

1. Introduction to Semiconductors
2. Diode Applications
3. Special-Purpose Diodes
4. Bipolar junction Transistors
5. Small-Signal Bipolar Amplifiers
6. Operational Amplifiers
7. Basic Op-Amp Circuits
8. Field-Effect Transistors (FETs)
9. Active Filters

Text Book

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

Optional Text

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

Grading Policy

Quizzes	40 %
Midterm	30 %
Final Exam	30 %

Teaching Assistant

E-Mail:

Office:

Instructor

Dr. Chih-Kuang Yeh 葉秩光 (E-Mail: ckyeh@mx.nthu.edu.tw)

Office: BMES 421

TEL: 03-5715131-34240

Office Hours: Thur 14:00 - 17:00 or by appointment