

Fall 2021

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)

Text Book

Thomas L. Floyd, "Electronic Devices," 10th ed., 2011. (全華代理)

Optional Text

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

Grading Policy

Home works	10%
Quizzes	30 %
Midterm	30 %
Final Exam	30 %

Teaching Assistant

E-Mail:

Office: BMES 420, TEL: 03-5715131-35560

Office Hours:

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

T3T4, R4

All exams are on Thursday. (11:10-12:30)