

## EE2210 Electric Circuits, Fall 2023

1. Instructor: Jenny Yi-Chun Liu ([jennyliu@gapp.nthu.edu.tw](mailto:jennyliu@gapp.nthu.edu.tw)), Delta 808.
2. Course description: this course introduces the fundamentals of electric circuits.
  - Textbook: *Introduction to Electric Circuits*, Richard C. Dorf and James A. Svoboda, Wiley.
3. Reference books:
  - *Foundations of Analog and Digital Electronic Circuits*, Anant Agarwal and Jeffrey Lang, Elsevier.
4. Grading:
  - Quiz: 40%
  - Midterm: 30%
  - Final: 30%
5. Topics:
  - Circuit elements
  - Circuit theorems
  - Linear circuit analysis
  - Energy storage elements
  - First-order circuits
  - Second-order circuits
  - Sinusoidal steady state
  - Operational amplifiers
6. Course website: NTHU eeclass (<http://eeclass.nthu.edu.tw>)