

National Taiwan University
Department of Mechanical Engineering

電工學
Fall 2009

Lecturer: 陳怡然
Office: 電機二館 338 室
Phone: (02) 3366-5882
Email: emery@cc.ee.ntu.edu.tw

TA: TBA
Office: TBA
Phone: TBA
Email: TBA

Class Time: Thursday 14:20 – 17:10

Class Room: 新 301

Textbooks:
Electrical Engineering: Principles and Applications', 4th ed., Allan R. Hambley, Pearson Education.

Grading: Grades will be based on a 100 point scale.
Midterm 50%
Final 50%

Homework: Homework won't be collected and graded. However, the solutions will be posted on the course website. The students are expected to do the homework and discuss with the TA if there is any question. **Homework questions will appear in the exam.**

Class Website: http://cc.ee.ntu.edu.tw/~emery/introduction_to_ee_2009.htm

What is Expected of Students:

- [1] All students are required to follow the academic honor codes established by National Taiwan University.
- [2] All students are expected to be respectful of other students.
- [3] All students are responsible for the materials covered and/or assigned in class regardless of whether they attend class.

Tentative class coverage

No	Topic	Reading Assignment
1	Introduction	Chapter 1
2	Resistive Circuits	Chapter 2
3	Inductance and Capacitance	Chapter 3
4	Transients	Chapter 4
5	Steady-State Sinusoidal Analysis	Chaper 5
6	Frequency Analysis	Chapter 6
7	Logic Circuits	Chapter 7
8	Amplifiers	Chapter 11
9	Operational Amplifiers	Chapter 14
10	Magnetic Circuits	Chapter 15