

Electric Circuits

Instructor : Ta-Chung Wang

Phone : 63620

Email : tachung@mail.ncku.edu.tw

Office : 5859

Text Book :

Allan R. Hambley, "Electrical Engineering Principles and Applications," 6th edition,
Pearson International Edition, Gau-Lih (高立)

Reference Books :

Giorgio Rizzone and James Kearns, "Principles and Applications of Electrical
Engineering," 6th edition, McGraw Hill, 2007, 東華

Robert L. Boylestad and Louis Nashelsky, "Introduction to Electricity, Electronics, and
Electromagnetics," 5th edition, Pearson International Edition, Eurasia book co.(歐亞)

Tentative Course Contents :

Chapter 1 Introduction

Chapter 2 Resistive Circuits

Chapter 3 Inductance and Capacitance

Chapter 5 Steady-State Sinusoidal Analysis

Chapter 10 Diodes

Chapter 13 Bipolar Junction Transistors

Grading :

Quizzes

Midterms

Final