

NTHU Electrical Engineering Department
EE2140 Electromagnetism (電磁學)
Fall 2019

Instructor: 洪毓珽 (台達 927 分機 62175) y chung@ee.nthu.edu.tw

Time: M3M4 and W2

Location: 台達 209

Prerequisite:

General Physics, Calculus

Course Description:

- Introduction of electromagnetics
- Electrostatics
- Magnetostatics
- Time-varying fields and Maxwell's equations
- Plane electromagnetic waves

Grading Policy:

Quiz (weekly)	20%
Midterm I	20%
Midterm II	25%
Final Exam	35%

Teaching Method:

Lectures

Reference:

- D. K. Cheng, *Field and Wave Electromagnetics*, 2nd Edition, Addison Wesley.
- D. Griffiths, *Introduction to Electrodynamics*, 4th Edition, Pearson.
- F. Ulaby, U. Ravaioli, *Fundamentals of Applied Electromagnetics*, 7th Edition, Pearson.
- N. Rao, *Elements of Engineering Electromagnetics*, 6th Edition, Prentice Hall.