

NTHU Electrical Engineering Department
EE3150 Electromagnetic Waves (電磁波)
Fall 2023

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

Time: M3M4W2

Location: 台達 208

Prerequisite: 電磁學

Course Description:

此課程延續電磁學內容，涵蓋範圍

- Maxwell's equations
- Plane electromagnetic waves
- Wave-guiding structures: transmission lines and waveguides
- Applications

Grading Policy:

Weekly Quiz	20%
Midterm	35%
Final Exam (整學期內容)	45%

Teaching Method:

Lectures

Textbook:

- David K. Cheng, *Field and Wave Electromagnetics*, Addison Wesley, 1989.
- F. Ulaby, U. Ravaioli, *Fundamentals of Applied Electromagnetics*, 7th Edition, Pearson.
- N. Rao, *Elements of Engineering Electromagnetics*, 6th Edition, Prentice Hall.