

EMC (2012 Spring)

by Prof. Tzong-Lin Wu

● 教科書：

1. Clayton R. Paul, "Introduction to Electromagnetic Compatibility", Wiley, 2005
2. V. Prasad Kodali, "Engineering Electromagnetic Compatibility: Principles, Measurements, Technologies, and Computer Models", *IEEE Press*, 2001.
3. Notes

● 時間表：

週別	日期	內容
1	02/23	Introduction to EMC
2	03/01	Signal Spectra
3	03/08	Transmission Lines
4	03/15	Transmission Lines
5	03/22	Signal Integrity and TDR
6	03/29	Signal Integrity and TDR
7	04/05	Conducted Emission and Susceptibility
8	04/12	Antenna for EMC
9	04/19	Antenna for EMC
10	04/26	Radiated Emission and Susceptibility
11	05/03	<i>Mid-term Exam.</i>
12	05/10	Crosstalk and Differential Signals
13	05/17	Crosstalk and Differential Signals
14	05/24	Shielding
15	05/31	ESD
16	06/07	Return Current and Power Bus Design
17	06/14	Return Current and Power Bus Design
18	06/21	<i>Final Report</i>

● 課程助教：

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● 課程網頁：<http://ntuemc.tw>

● 課程評分標準(暫訂)：

1. 期中考 40%
2. 三次 Project 45%
3. 三次作業 12%
4. 出席率 3%