

EMC (2025 Fall)

by Prof. Tzong-Lin Wu

- **Textbook :**

1. Clayton R. Paul, "Introduction to Electromagnetic Compatibility," Wiley, 2006
<https://onlinelibrary.wiley.com/doi/book/10.1002/0471758159>
2. Henry W. Ott, "Electromagnetic Compatibility Engineering," Wiley, 2009
<https://onlinelibrary.wiley.com/doi/book/10.1002/9780470508510>
3. V. Prasad Kodali, "Engineering Electromagnetic Compatibility: Principles, Measurements, Technologies, and Computer Models", *IEEE Press*, 2001.
<https://ieeexplore.ieee.org/book/5263941>
4. Class notes

- **時間表：**

週別	日期	內容	作業
1	9/02	出國	
2	9/09	Introduction to EMC, Signal Spectra (1)	
3	9/16	Signal Spectra (1) & (2)	
4	9/23	Transmission Lines and SI	
5	9/30	Transmission Lines and SI	
6	10/07	Crosstalk	HW1 due
7	10/14	Crosstalk	
8	10/21	期中考周	
9	10/28	Cable Shielding and Twisted Pair	HW2 due
10	11/04	Antenna for EMC	
11	11/11	Antenna for EMC	
12	11/18	Radiated Emission and Susceptibility	HW3 due
13	11/25	Radiated Emission Measurement.	
14	12/2	Shielding	
15	12/09	Conducted Emission	HW4 due
16	12/16	期末考周	
17	12/26	Final Project due	
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- **TA：**

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- **Course website:** <http://ntuemc.tw>

- **Grading:**

1. Homework 70%
2. Project 30%