

102-2 Preliminary Syllabus, Da-Yeh Univ

Information			
Title	電磁相容分析	Serial No. / ID	1982 / EDR5035
Dept.	電機工程學系博士班	School System / Class	研究所博士班1年1班
Lecturer	邱政男	Full or Part-time	專任
Required / Credit	Optinal / 3	Graduate Class	No
Time / Place	(一)567 / H369	Language	Chinese

Introduction
Basic theory and analysis methods for electromagnetic compatibility

Outline
<ol style="list-style-type: none">1. Introduction2. EMC requirements for electronic systems3. EM waves and transmission lines4. Antennas5. Signal spectra6. Nonideal behavior of components7. Signal Integrity and crosstalk8. Shielding9. Grounding10. Electrostatic discharge (ESD)11. Conducted emissions and susceptibility12. Radiated emissions and susceptibility13. PCB design for EMC14. IC design for EMC15. System design for EMC

Prerequisite
Electromagnetics