

# 100-1 Preliminary Syllabus, Da-Yeh Univ

Information			
Title	邏輯設計	Serial No. / ID	1689 / MAI3001
Dept.	機械與自動化工程學系	School System / Class	大學日間部3年1班
Lecturer	張義芳	Full or Part-time	專任
Required / Credit	Optinal / 3	Graduate Class	No
Time / Place	(一)34 / H445 (四)1 / H445	Language	Chinese

Introduction
Logic circuit design is a fundamental course dealing with logic circuit design and development. This course will cover the principle of Boolean Algebra and Reduction Techniques. Lecture materials will provide students a clear and thorough understanding of the Boolean algebra and logic circuit design. The adequate ability to analyze the logic relation in the logic circuit system will be developed.

Outline
單元主題1 : Number Systems and Codes
單元主題2 : Basic Logic Gates
單元主題3 : Boolean Algebra and Reduction Techniques
單元主題4 : Exclusive-OR and Exclusive-NOR Gates
單元主題5 : Flip-Flops and Registers

Prerequisite
Physics and Electric