

99-1 Preliminary Syllabus, Da-Yeh Univ

Information			
Title	實驗設計	Serial No. / ID	1201 / NGR1004
Dept.	工業工程與科技管理學系碩士	School System / Class	研究所碩士班1年1班
Lecturer	楊懿淑	Full or Part-time	專任
Required / Credit	Optinal / 3	Graduate Class	No
Time / Place	(四)567 / H503	Language	Chinese

Introduction
<ol style="list-style-type: none"> 1. Understand the theories of ANOVA 2. Use minitab to analyze data 3. Use propre experimental design to real problem 4. Use the methods of ANOVA to analyze the experimental result of the real problem

Outline
<ol style="list-style-type: none"> 1 : Introduciton 2 : One Factor Experiment Design 3 : Randomized Block Design, Latin Squares 4 : 2^k Factorial Design 5 : 2^k Factorial Design with blocking and confounding 6 : $2^{(k-p)}$ Partial Factorial Design 7. Respose Surface Method 8. Robust Parameter Design 9. Split Block Design

Prerequisite
<ol style="list-style-type: none"> 1. Statisitcs I 2. Statistics II