

# 102-1 Preliminary Syllabus, Da-Yeh Univ

Information			
Title	實驗設計	Serial No. / ID	1529 / NGR3021
Dept.	工業工程與管理學系碩士班	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	(二)567 / H507	Language	Chinese

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

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

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