

## 97-2 Preliminary Syllabus, Da-Yeh Univ

Information			
Title	實驗設計	Serial No. / ID	1309 / VGR5013
Dept.	環境工程學系碩士班	School System / Class	研究所碩士班1年1班
Lecturer	柯雅雯	Full or Part-time	專任
Required / Credit	Optinal / 3	Graduate Class	NO
Time / Place	(一)3 / H545 (三)56 / H545	Language	Chinese

Introduction
introductory the design and analysis of experiments

Outline
<p>Introduction (Ch.1)</p> <p>Simple Comparative Experiments (Ch.2)</p> <p>Experiments with a Single Factor: The Analysis of Variance (Ch.3)</p> <p>Randomized Blocks, Latin Squares, and Related Designs (Ch.4)</p> <p>Introduction to Factorial Designs (Ch.5)</p> <p>The 2k Factorial Design (Ch.6)</p> <p>Blocking and Confounding in the 2k Factorial Design (Ch.7)</p> <p>Two-Level Fractional Factorial Designs (Ch.8)</p> <p>Fitting Regression Models (Ch.10)</p> <p>Response Surface Methods and Other Approaches to Process Optimization (Ch.11)</p> <p>Experiments with Random Factors (Ch.13)</p> <p>Other Design and Analysis Topics (Ch.15)</p>

Prerequisite
statistical methods