

淡江大學 九十八學年度第一學期課程教學計畫表

壹、科目名稱：應用統計模式

貳、授課老師：陳怡如（133092）

參、開課系所班級：應統碩一

肆、必選修：選修

伍、學分數：3 學分

陸、先修科目：統計學

柒、教學內容及進度：

- Introduction
- Matrix Algebra and Basic Theory
- Simple Linear Regression
- Multiple Regression Models
- Regression Diagnostics
- General Linear Models
- ANOVA models

捌、授課方式：課堂講授

玖、教材課本：課堂講義。

拾、參考書籍：

- John F. Monahan (2008). A primer on Linear models.
- Alvin C. Rencher (2007). Linear Models in Statistics.
- Neter, Kutner, Nachtsheim, and Li (2005). Applied Linear Statistical Models.
- Julian J. Faraway (2004). Linear models with R.
- Ramon C. Littell, Walter W. Stroup, and Rudof J. Freund (2002). SAS for Linear Models.
- Nalini Ravishanker and Dipak K. Dey (2001). A first course in Linear Model Theory.
- Arnold, S. F. (1981). The Theory of Linear Models and Multivariate Analysis.
- Searle, S. R. (1971). Linear Models.
- Graybill, F. A. (1976). Theory and Applications of the Linear Model.
- Hocking, R. R. (1996). Methods and Applications of Linear Models: Regression and the Analysis of Variance.

拾壹、成績考核方式：

	平時與作業：	30%
	期中考：	30%
	期末考與報告：	40%
	其他（_____）：	0 %