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## ②图玄束華大學

# 教學計劃表 Syllabus

課程名稱(中文) Course Name in Chinese	統計分析導論				學年/學期 Academic Year/Semester		101/1	
課程名稱(英文) Course Name in English	An introduction to statistical analysis							
科目代碼 Course Code	FIN_52630	系級 Department & Year	碩士		開課單位 Course-Offering Department	財務金融學系		
修別 Type	選修 Elective	學分數/時間 Credit(s)/Hour(s)			1.0/1.0			
授課教師 Instructor	/林金龍							
先修課程 Prerequisite	/							

#### 課程描述 Course Description

This course aims at refreshing the statistical methods frequently used in management science and developing the skills for quantitative analysis. Mastering one statistical software is another goal.

#### 課程目標 Course Objectives

協助研究所新生複習統計分析的基礎理論及熟悉統計軟體的使用,奠定學習統計分析及其他數量分析課程的基礎。 This course aims at refreshing the statistical methods frequently used in management science and developing the skills for quantitative analysis. Mastering one statistical software is another goal.

圖示說明Illustration :● 高度相關 Highly correlated ○中度相關 Moderately correlated

### 授課進度表 Teaching Schedule & Content

週次Week	內容 Subject/Topics	備註Remarks		
1	Introduction to statistics, probability and R			
2	Discrete random variables and their probability distributions			
3	Continuous random variables and their probability distributions			
4	Multivariate probability distributions (I)			
5	Multivariate probability distributions (II)			
6	Functions of random variables (I)			
7	Functions of random variables (II)			
8	Central limit theorem (I)			
9	期中考試週 Midterm Exam			
10	Central limit theorem (II)			
11	Central limit theorem (III)			
12	Estimation (I)			
13	Estimation (II)			
14	Estimation (III)			
15	Hypothesis testing (I)			

16	Hypothesis testing (II)									
17	Hypothesis testing (III)									
18	期末考試週 Final Exam									
		教	學策	略 Tea	aching (	Strategi	ies			
✓ 課堂講	授 Lecture		分組討	論Group	Discus	sion	多	觀實習	Field Tr	ip
其他Miscellaneous:										
學期成績計算及多元評量方式 Grading & Assessments										
配分項目 配分比例 多元評量方式 Assessment								nts		
Items		Percentage	測驗 會考	實作觀察	口頭 發表	專題 研究	創作 展演	卷宗 評量	證照 檢定	其他
平時成績 General Performance										
期中考成績 Midterm Exam		30%	>							
期末考成績	Final Exam	40%	<b>&gt;</b>							
作業成績 Ho Assignments	omework and/or	30%		~						
其他 Miscel	llaneous _)									
評量方式補充說明 Grading & Assessments Supplemental instructions										
		orauring a n	.550551110	ants out	prement	ai ilist	Tuction	.5		
教科書與參考書目(書名、作者、書局、代理商、說明) Touthook & Other Performance (Title Author Publisher Agents Permula etc.)										
Textbook & Other References (Title, Author, Publisher, Agents, Remarks, etc.)  1. D. D. Wackerly, W. M. Medievally and R. S. Sclaffer (2002), Mathematical Statistics with Applications, 6th ed. Luxury.										
2. John Vervain, (2002), simpler-Using R for Introductory Statistics, available at http://cran.r-project.org/doc/contrib/Verzani-SimpleR.pdf										
課程教材網址(教師個人網址請列在本校內之網址)										
Teaching Aids & Teacher's Website (Personal website can be listed here.)  faculty.ndhu.edu.tw/~jlin										
Tacarey, Manareda, en/ jiii										
其他補充說明(Supplemental instructions)										