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國立東華大學

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	102/1
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.

	系專業能力 Basic Learning Outcomes	課程目標與系專業能力相關性 Correlation between Course Objectives and Dept.'s Education Objectives
A	具備財務金融的分析能力	●
B	具備企業財務管理專業能力	
C	具備英語閱讀溝通協調等能力	○
D	具備獨立研究之技能，以進行財金議題研究	●
E	具備個人投資理財能力	○
F	具備電腦程式運算及設計能力	●

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 Teaching Strategies

☑ 課堂講授 Lecture ☐ 分組討論Group Discussion ☐ 參觀實習 Field Trip

☐ 其他Miscellaneous:

學期成績計算及多元評量方式 Grading & Assessments

配分項目 Items	配分比例 Percentage	多元評量方式 Assessments							
		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(含出缺席) General Performance (Attendance Record)									
期中考成績 Midterm Exam	30%	✓							
期末考成績 Final Exam	40%	✓							
作業成績 Homework and/or Assignments	30%		✓						
其他 Miscellaneous (_____)									

評量方式補充說明 Grading & Assessments Supplemental instructions

教科書與參考書目（書名、作者、書局、代理商、說明） 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
其他補充說明 (Supplemental instructions)