



教學大綱/計畫表 Syllabus (Spring 2024)

2024/2/21 修訂 (v1)

中文課程名稱 Course Name in Chinese	統計學 (二)			學年/學期 Academic Year/Semester	112/2
英文課程名稱 Course Name in English	Statistics (II)			授課教師 Instructor	江志卿 Jerry C. Chiang
科目代碼 Course Code	ACCT20400	系級 Department/Year	會計系/ 二年級	開課單位 Course-Offering Department	會計系
修別 Type	☒ 必修 Required ☐ 選修 Elective ☐ 學程 Program	學分數 Credit(s)	3	時數 Hour(s)	3
上課時間 Class Time	Thursday 2:10-5:00 P.M.	上課地點 Location	管 C141	諮詢時間 Office Hour	Wed. 管 D313 12:10-2:10 P.M. (請先預約)
聯絡資訊 Contact	jerry@gms.ndhu.edu.tw / 890-3114 TA: 謝享儒 611235104@gms.ndhu.edu.tw				
課程目標 Course Objectives	Today, data are collected everywhere and the practice of data analytics is widely applied to “big data.” As a decision maker, we need to acquire and analyze data to support our decisions. The practice of data analytics requires skills and knowledge in several areas. Analytical skills are needed to evaluate, summarize, organize, and analyze the information. Critical thinking skills are needed to interpret and communicate the results of processing the information. The purpose of this course is to develop students’ knowledge of basic data analytical skills-basic statistical techniques and methods and how to apply them to develop the business and personal intelligence that will help they make decisions. More exactly, the objective of this course is to develop students’ skills majoring in any fields of business administration with an introductory survey of descriptive and inferential statistics. To achieve the above goals, several statistical software will be introduced, and selected examples & analysis exercises are chosen as supplementary materials to help students’ learning process of applying statistical knowledge. Students need to absorb and answer questions in the class based on their understanding, as well as finish assignments/quizzes and pass examinations to fulfill the course requirements.				
系教育目標 Dept.’s Education Objectives	1. 培養結合理論與實務之會計專業人才 2. 培養多元視野之會計專業人才 3. 專業與品德並重				

課程目標與系教育目標相關性 Correlation between Course Objectives and Dept.'s Education Objectives	1		2		3		
	●		◎		●		
系專業(基本)能力 Basic Learning Outcomes	A. 兼具理論與實務操作之專業知識，以具備解決問題能力 B. 具有充實之會計理論基礎與分析能力，使具備就業或升學之知識與潛能 C. 具備資訊運用能力，熟悉相關會計處理流程 D. 具備查核基本概念，能遵循查核準則進行基本查核程序 E. 具有會計、審計與稅務整合能力 F. 具備超然獨立及嚴格遵守會計專業倫理的道德勇氣 G. 具備基本外語能力						
課程目標與系專業能力相關性 Correlation between Course Objectives and Basic Learning Outcomes	A	B	C	D	E	F	G
	●	◎	◎				◎
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 / Tentative Schedule
01 Feb. 22	Course Overview	
Inferential Statistics		
02 Feb. 29	Estimation and Confidence Intervals (I)	Chap. 9
03 Mar. 07	Estimation and Confidence Intervals (II)	Chap. 9
04 Mar. 14	One-Sample Tests of Hypothesis (I)	Chap. 10-1
05 Mar. 21	One-Sample Tests of Hypothesis (II)	Chap. 10-2, Test1: Chap. 9~10-2
06 Mar. 28	One-Sample Tests of Hypothesis (III) Two-Sample Tests of Hypothesis (I)	Chap. 10-3 Chap. 11-1
07 Apr. 04	[Spring Break]	
08 Apr. 11	Two-Sample Tests of Hypothesis (II)	Chap. 11-2, Test2: Chap. 10-3~11-2
09 Apr. 18	Two-Sample Tests of Hypothesis (III)	Chap. 11-3
10 Apr. 25	[Midterm Exam] Chap. 9, 10, 11	
Applied Statistics		
11 May 02	Analysis of Variance (I)	Chap. 12
12 May 09	Analysis of Variance (II)	Chap. 12
13 May 16	Analysis of Variance (III)	Chap. 12, Test3: Chap. 12
14 May 23	Nonparametric Methods: Chi-Square Tests (I)	Chap. 15,
15 May 30	Nonparametric Methods: Chi-Square Tests (II)	Chap. 15
16 June 06	Correlation and Linear Regression (I)	Chap. 13-1, Test4: Chap. 15, 13-1

17 June 13	[Final Exam]	Chap. 12, 13-1, 15
18 June 20	教師彈性補充教學：Make-up Class Correlation and Linear Regression (II)	Chap. 13-2
教學策略 Teaching Strategies	以課堂授課為主，並輔以助教進行課後討論。 ■ 課堂講授 Lecture □ 分組討論 Group Discussion □ 參觀實習 Field Trip ■ 其他 Miscellaneous: 課後測驗與講解 / 軟體介紹與操作	
修課原則	1. 課程採不定期隨機點名，全學期點名出席率須達 40% 為獲取學分之必要條件； 5/2 (含) 前每次點名未到者，請自行辦理期中退選。 2. 課程偶爾因進度調整，恐會延誤若干分鐘下課， 無法接受或心生不平者請勿選課。	
學期成績 計算方式 Grading	Homework / Test (4 次選 3 次最佳成績, 30%), Attendance / Participation (10%), Midterm Exam. (30%), Final Exam. (30%)	
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.) [Textbook] (英文為主，中文為輔) 1. Lind, D.A., Marchal, W.G., and Wathen, S.A. <i>Statistical Techniques in Business & Economics</i> . 18 th . NY: McGraw-Hill, 2021. (華泰文化，周益彰 0910-275-877，sales7@hwatai.com.tw) 2. 林惠玲，陳正倉。現代統計學。第二版，雙葉書廊，台北，民 109 年。(劉懷生 0932-125-906) [References] 1. Field, A. <i>Discovering Statistics Using IBM SPSS Statistics</i> . 4 th . CA: SAGE, 2013. 2. Mendenhall, W., Beaver, R.J., and Beaver, B.M. <i>Introduction to Probability and Statistics</i> . 14 th . USA: Brooks/Cole, Cengage Learning, 2013. 3. Weiss, N.A. <i>Introductory Statistics</i> . 10 th . England: Pearson Education Limited, 2017. 4. 林惠玲，陳正倉。基礎統計學：觀念與應用。第四版，雙葉書廊，台北，民 108 年。 5. 馬秀蘭，吳德邦。統計學：以 Microsoft Excel 為例。第八版，新文京開發，台北，民 105 年。 6. 俞洪亮，蔡義清，莊懿妃。商管研究資料分析：SPSS 的應用。修訂二版，華泰文化，台北， 民 101 年。		
課程教材網址 Teaching Aids & Teacher's Website 1. 東華 e 學苑 http://www.elearn.ndhu.edu.tw/moodle/ 2. Zuvio https://irs.zuvio.com.tw/ 3. Google Meet https://meet.google.com/cfy-aaan-oco		

The lecturer reserves the right to amend the contents of syllabus.