請尊重智慧財產權,合法影印資料並使用正版教科書。

Please consult Intellectual Property Rights before making a photocopy. Please use the textbook of copyrighted edition.

②國玄東華大學

教學計劃表 Syllabus

課程名稱(中文) Course Name in Chinese	心理統計(上)			學年/學期 Academic Year/Semester		106/1	
課程名稱(英文) Course Name in English	Statistics(I)						
科目代碼 Course Code	CPB0030	系級 Department 學一 & Year		開課單位 Course-Offering Department	諮商與臨床心理學系		
修別 Type	學程 Program	學分數/時間 Credit(s)/Hour(s)		3.0/3.0			
授課教師 Instructor	/林慧菁						
先修課程 Prerequisite							

課程描述 Course Description

This course provides students with an introduction to the science of making sense out of numerical data. Knowledge of statistics provides statistical literacy that enables people to understand and make sensible judgments based on the analysis of numerical information. This course is designed to teach students how to apply statistical concepts and interpret the results of a variety of statistical techniques from both descriptive and inferential statistics. The major contents covered include measures of central tendency and variability, probability, distributions of sample means, estimation and confidence intervals, and hypothesis testing concerning means.

課程目標 Course Objectives

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	Brief introduction: Introduction to statistics					
2	Ch1. Variables, Data structure, Populations and Sample, Research Methods, Measurement (sec1-2)					
3	Chl. Variables, Data structure, Populations and Sample, Research Methods, Measurement (sec1-2) Ch2. Frequency distribution, percentiles and percentile ranks, data distribution charts					
4	Ch2. Frequency distribution, percentiles and percentile ranks, data distribution charts Ch3. Central tendency: selecting a measure and shape of the distribution					
5	Ch3. Central tendency: selecting a measure and shape of the distribution Ch4. Variability: standard deviation, variance					
6	6 Ch4. Variability: standard deviation, variance Ch4. Variability: unbiased statistic and more					
7	Ch5. z-Scores: location of scores and standardized distributions					
8	Ch6. Probability: Binomial and normal distributions Midterm review					

	1									
9	期中考試週 Midterm Exam									
10	Exam review Ch7. Probability and Samples: the distribution of sample means									
11	Ch7. Probability and Samples: the distribution of sample means and more									
	Ch8. Making inference: Hypothesis testing									
12	Ch8. Making inference: Hypothesis testing									
13	Ch9. Introduction to t-distribution and t statistic									
14	Ch9. Hypothesis testing about one mean Ch10. Testing difference between two independent means									
15	Ch10. Testing difference between two independent means									
16	6 Ch11. Testing two related means and estimation									
17	Ch11. Testing two related means and estimation Course Review and question answering									
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		觀實習	Field Tri	ip
 其他Mi	scellaneous:									
	學期成績計算及多元評量方式 Grading & Assessments 五八百日 五八七日 五八七日									
配分項目 Items		配分比例 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 Ge Performance		40%	✓	~						
期中考成績	Midterm Exam	30%	~							
期末考成績	Final Exam	30%	~							
作業成績 Homework and/or Assignments										
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.)										
Gravetter, Frederick J and Larry B. Wallnau, Statistics for the Behavioral Sciences, Cengage Learning India; 10th edition (2015)										
iliula, luli		m ca bi i i i	, , , , , , , , , , , , , , , , , , ,	4- m	,,, \ + -+	L 1. 1.				
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.)										

http://faculty.ndhu.edu.tw/~hclin/index.html

其他補充說明(Supplemental	l instructions)