國立東華大學

教學計劃表 Syllabus

課程名稱(中文) Course Name in Chinese	心理統計(下)			學年/學期 Academic Year/Semester	104/2
課程名稱(英文) Course Name in English	Psychological Statistics(II)				
科目代碼 Course Code	CP__B0050	系級 Department & Year	學一	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 is a continuation of Statistics in Psychology II. It aims to provide 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 estimation and confidence intervals of means, analysis of variance, post hoc procedures, two-way ANOVA, correlation and simple regression, chi-squares tests for goodness of fit and independence, and some simple nonparametric procedures.

課程目標 Course Objectives

To allow students to become more informed persons who can critically evaluate claims that are made in scientific (and less formal) settings.
To develop an appreciation for the conceptual bases that support statistical evaluation.
To learn how to interpret and perform several fundamental statistical procedures, as well as to evaluate situations and decide which procedures are appropriate.
To gain enough knowledge of basic statistical procedures to enable students to apply it to more advanced topics that they will study later in their career.

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	Course introduction and review of descriptive statistics(logic of inferential statistics, z distribution and sampling distribution)	First Homework Assignment, due next week
2	Review of previous concepts (t distributions and test of one-sample mean and two independent samples)	
3	Hypothesis Testing for two related Samples: Ch 11	
4	Ch 11 (continued) Introduction to Analysis of Variance: Ch 12	
5	Introduction to Analysis of Variance: Ch 12	
6	ANOVA: Repeated Measure: Ch 13	
7	ANOVA: Repeated Measure: Ch 13 ANOVA: Two-factor Independent Measure: Ch 14	

8	ANOVA: Two-factor Independent Measure: Ch 14 Review	
9	期中考試週 Midterm Exam	
10	Review Correlation: Ch 15	
11	Regression: Ch 16	
12	Regression: Ch 16 Chi-Square Statistic: Test for Goodness of Fit and Independence: Ch 17	
13	Chi-Square Statistic: Test for Goodness of Fit and Independence: Ch 17	
14	Chi-Square Statistic: Test for Goodness of Fit and Independence: Ch 17 Binomial Test: Ch 18	
15	Binomial Test: Ch 18	
16	Binomial Test: Ch 18 Choosing the Right Statistics: Ch 19	
17	Choosing the Right Statistics: Ch 19 Review	
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 General Performance	10%	✓	✓						
期中考成績 Midterm Exam	30%	✓							
期末考成績 Final Exam	30%	✓							
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.)
Gravetter, Frederick J and Larry B. Wallnau, Statistics for the Behavioral Sciences, Cengage Learning India; 9th edition (2012)
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 instructions)