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		111/2
課程名稱(英文) Course Name in English	Psychological Statistics(Ⅱ)						
科目代碼 Course Code	CP＿11220	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

一、使同學熟悉有關心理學常用之統計基本知識與原理原則。
二、使同學具有解釋心理學研究報告及使用統計在心理學應用之的能力

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	Course introduction and review of descriptive statistics(logic of inferential statistics, z distribution and sampling distribution), Review of hypothesis testing and Power of Test! Ch 8-9: (review)	First Homework Assignment, due next week Homework: Ch 08-9
2	Ch10 The t test for the tow independent samples	First Homework Assignment, due this week Homework: Ch 08-9
3	Ch 10 (continued) Ch 11 The t test for two related samples	
4	Ch 11 (continued)	
5	Introduction to Analysis of Variance: Ch 12	
6	Ch 12 (continued) ANOVA: Repeated Measure: Ch 13	
7	Ch 13 (continued) ANOVA: Two-factor Independent Measure: Ch 14	
8	Ch 14 (continued)	no class (4/5)

9	期中考試週 Midterm Exam
10	Ch 14 (continued) Correlation: Ch 15
11	Ch 15 (continued)
12	Regression: Ch 16
13	Ch 16 (continued)
14	Chi-Square Statistic: Test for Goodness of Fit and Independence: Ch 17
15	Ch 17 (continued)
16	Binomial Test: Ch 18
17	Ch 18 (continued) 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:

教 學 創 新 自 評 Teaching Self-Evaluation

創新教學(Innovative Teaching)

☐ 問題導向學習(PBL)　　　　☐ 團體合作學習(TBL)　　　　☐ 解決導向學習(SBL)

☐ 翻轉教室 Flipped Classroom　　　☐ 磨課師 Moocs

社會責任(Social Responsibility)

☐ 在地實踐Community Practice　　　☐ 產學合作 Industy-Academia Cooperation

跨域合作(Transdisciplinary Projects)

☐ 跨界教學Transdisciplinary Teaching　　　☐ 跨院系教學Inter-collegiate Teaching

☐ 業師合授 Courses Co-taught with Industry Practitioners

其它 other:

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; 10th edition (2015)

課程教材網址(含線上教學資訊,教師個人網址請列位於本校內之網址)
Teaching Aids & Teacher's Website(Including online teaching information.
Personal website can be listed here.)

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

其他補充說明（Supplemental instructions）