# 國立東華大學
## 教學計劃表　Syllabus

| 課程名稱(中文)<br>Course Name in Chinese | 心理統計(下) | | | 學年/學期<br>Academic Year/Semester | 106/2 |
|---|---|---|---|---|---|
| 課程名稱(英文)<br>Course Name in English | Psychological Statistics(II) | | | | |
| 科目代碼<br>Course Code | CP__B0050 | 系級<br>Department & Year | 學一 | 開課單位<br>Course-Offering Department | 諮商與臨床心理學系 |
| 修別<br>Type | 學程 Program | 學分數/時間<br>Credit(s)/Hour(s) | | 3.0/3.0 | |
| 授課教師<br>Instructor | /林慧菁 | | | | |
| 先修課程<br>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



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 | 2/28 holiday (no class) |
| 2 | Ch 8-11: t statistic (review) | First Homework Assignment, due next week<br>Homework: Ch 08-11 |
| 3 | Introduction to Analysis of Variance: Ch 12 | |
| 4 | Ch 12 (continued) | |
| 5 | ANOVA: Repeated Measure: Ch 13 | |
| 6 | no class | 4/4 holiday (no class) |
| 7 | Ch 13 (continued)<br>ANOVA: Two-factor Independent Measure: Ch 14 | |
| 8 | Ch 14 (continued)<br>Review | |
| 9 | 期中考試週 Midterm Exam | Midterm exam: Ch12-14 |

| 10 | 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)<br><br>Review | |
| 18 | 期末考試週 Final Exam | Final exam: Ch15-18 |

## 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<br>Items | 配分比例<br>Percentage | 多元評量方式 Assessments | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | 測驗<br>會考 | 實作<br>觀察 | 口頭<br>發表 | 專題<br>研究 | 創作<br>展演 | 卷宗<br>評量 | 證照<br>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<br>(_____) | | | | | | | | | |

## 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（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）