## ② 国立束華大學 教學計劃表 Syllabus

	名稱(中文) me in Chinese	統計學(一)				學年/學期 Academic Year/Sen	105/1				
	名稱(英文) me in English	sh Statistics(I)									
	-目代碼 rse 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									
	e課教師 structor	/林慧菁									
	修課程 equisite										
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 Cour	-se Objec	etive	es					
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	Brief introduct										
2		no clas	ss (typhoon)								
3	Ch1. Variables, Data structure, Populations and Sample, Research Methods, Measurement (sec1-2)										
4		no clas	ss (typhoon)								
5	Ch1. Variables, Data structure, Populations and Sample, Research Methods, Measurement Ch2. Frequency distribution, percentiles and percentile ranks, data distribution charts										
6	Ch2. Frequency distribution, percentiles and percentile ranks, data distribution charts Ch3. Central tendency: selecting a measure and shape of the distribution										
7	Ch4. Variability: standard deviation, variance Ch4. Variability: unbiased statistic and more Ch5. z-Scores: location of scores and standardized distributions										

8	Ch5. z-Scores: location of scores and standardized distributions Ch6. Probability: Binomial and normal distributions Midterm review									
9	期中考試週 Midterm Exam									
10	Exam review									
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	Ch11. Testing two related means and estimation									
17	Chll. Testing two related means and estimation Course Review and question answering									
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 参觀實習 Field Trip										
	上」其他Miscellaneous:									
學期成績計算及多元評量方式 Grading & Assessments										
	2分項目 Itoma	配分比例 Percentage	測驗	實作	口頭	<ol> <li>多元評量</li> <li>專題</li> </ol>	重方式 A 創作	SSESSME 卷宗	nts 證照	ر, الجد
	Items		會考	觀察	發表	研究	展演	評量	檢定	其他
平時成績 General Performance		40%	~	~						
期中考成績 Midterm Exam		30%	$\checkmark$							
期末考成績 Final Exam		30%	$\checkmark$							
作業成績 Homework and/or Assignments										
其他 Miscel (	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) Taythook & Other References (Title, Author, Publisher, Agents, Remarks, etc.)										
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)										
		ds & Teacher'	s Websi						here.)	
http://facu	http://faculty.ndhu.edu.tw/~hclin/index.html									

其他補充說明(Supplemental instructions)