

99-1 大葉大學 完整版課綱

基本資訊

課程名稱	教育統計	科目序號 / 代號	0843 / ELF3018
開課系所	英美語文學系	學制 / 班級	大學日間部3年1班
任課教師	劉慧如	專兼任別	專任
必選修 / 學分數	選修 / 2	畢業班 / 非畢業班	非畢業班
上課時段 / 地點	(三)34 / J215	授課語言別	中文

課程簡介

This course is intended to teach students the most important ideas in statistics. Students will learn to interpret statistical information and have a basic understanding of the concepts such as levels of measurement, random sampling, the normal curve, and hypothesis testing. Many examples and exercises will be provided to build their understanding of these statistical concepts. They will not only learn useful skills for working with data, but also understand the role of statistics in the research process. In this course, students will have hands-on experience in using statistics software package to analyze data.

課程大綱

Measurement Concepts
Frequency Distribution
Measures of Central Tendency and Variability
The Normal Curve and Standard Scores
Hypothesis Testing
Paired Samples t Test
Independent Samples t Test
Analysis of Variance

基本能力或先修課程

None

課程與系所基本素養及核心能力之關連

成績稽核

教科書(尊重智慧財產權，請用正版教科書，勿非法影印他人著作)

書名	作者	譯者	出版社	出版年
----	----	----	-----	-----

無參考教科書

參考教材及專業期刊導讀(尊重智慧財產權，請用正版教科書，勿非法影印他人著作)

書名	作者	譯者	出版社	出版年
----	----	----	-----	-----

無參考教材及專業期刊導讀

上課進度		分配時數(%)				
週次	教學內容	講授	示範	習作	實驗	其他
1	Introduction	100				
2	Measurement Concepts	70		30		
3	Holiday					
4	Frequency Distribution	70		30		
5	Frequency Distribution	70		30		
6	Measures of Central Tendency and Variability	70		30		
7	Measures of Central Tendency and Variability	70		30		
8	Measures of Central Tendency and Variability	70		30		
9	Midterm exam					
10	The Normal Curve and Standard Scores	70		30		
11	The Normal Curve and Standard Scores	70		30		
12	The Normal Curve and Standard Scores	50		50		
13	Hypothesis Testing	50		50		
14	Sampling Distribution (of the Mean), the Normal Curve	50		50		
15	Normal Test	50		50		
16	Student's t Test	50		50		
17	Student's t Test	50		50		
18	Final exam					