

## 97-1 大葉大學 選課版課綱

### 基本資訊

課程名稱	教育統計	科目序號 / 代號	1767 / 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 / J307	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

intermediate English reading skills