

國立屏東大學 111學年度第1學期 教學課程綱要

※為保護智慧財產權，請勿非法影印教科書。

課程學分數：3.00(3.00小時)

授課老師：蘇慶軒(300594)

必選修：選

開課序號	0321
科目名稱	統計學(SDE2115)
科目英文名稱	Statistics
授課語言	英語/全外語授課
主要教學型態	課堂教學
教學目標	This class is an introduction to statistics. Students in the class will learn the basic concepts of statistics for understanding how the social scientists observe and measure the real world in their research. The class will begin with a lecture in the first two-hour and arrange a classwork in the third hour.
每週課程內容及教學方法	<ol style="list-style-type: none"> 1. Introduction of the course, textbooks and requirement 2. Chapter 1. Introduction to statistics, Chapter 2. Frequency Distributions 3. Chapter 3. Central Tendency 4. Chapter 4. Variability 5. Chapter 5. z-Scores: Location of Scores and Standardized Distributions 6. Chapter 6. Probability 7. Chapter 7. Probability and Samples: The Distribution of Sample Means 8. Chapter 8. Introduction to Hypothesis Testing 9. Midterm exam 10. Chapter 9. Introduction to the t Statistic 11. Chapter 10. The t Test for Two Independent Samples 12. Chapter 11. The t Test for Two Related Samples 13. Chapter 12. Introduction to Analysis of Variance 14. Chapter 13. Repeated-Measures and Two-Factor Analysis of Variance 15. Chapter 14. Correlation and Regression, Chapter 15. The Chi-Square Statistic: Tests for Goodness of Fit and Independence 16. Final term exam
核心能力	
預期學習成果	<ol style="list-style-type: none"> 1. descriptive statistics 2. inferential statistics
與預期學習成果搭配的多元評量	<p>Midterm Exam : 35%</p> <p>Final Exam : 45%</p>

	Assignments in the classwork: 20%
主要讀本	陳正倉、林惠玲，2020，《現代統計學（二版）》，台北：雙葉書廊。 Gravetter, Wallnau, and Forzano. 2018. Essentials of Statistics for The Behavioral Sciences 9th Edition. Cengage Learning.
參考書目	羅清俊，2016，《社會科學研究方法：打開天窗說量化(第三版)》，新北市：揚智。
其他事項	