國立東華大學

課 綱 Course Outline
人文社會科學學院學士班

中文課程名稱 Course Name in Chinese	統計學(一)				
英文課程名稱 Course Name in English	Statistics(Ⅰ)				
科目代碼 Course Code	EC__21900	班 別 Degree		學士班 Bachelor's	
修別 Type	學程 Program	學分數 Credit(s)	3.0	時 數 Hour(s)	3.0
先修課程 Prerequisite					

課程目標 Course Objectives

介紹基礎的統計理論與方法，並教導學生如何將統計概念運用於經濟及財務之課題上，使學生具備分析資料的能力。

院教育目標 College.'s Education Objectives

1	培育兼具創新思維、專業知能與人文素養之優秀人才 The College aims to help students develop innovative thinking skills, professional knowledge and liberal arts perspectives.

院基本素養與核心能力 College Basic Learning Outcomes		課程目標與院基本素養與核心能力 Correlation between Course Objectives and Basic Learning Outcomes
A	豐富人文學與社會科學基礎知能 Acquire abundant knowledge of humanities and social sciences	
B	運用語文表達與批判思考能力從事創新活動 Use of language expression and critical thinking ability to engage in innovative activities	
C	具備民主法治理念與社會關懷素養 With the concept of democratic rule of law and social care literacy	

圖示說明Illustration ：● 高度相關 Highly correlated ○中度相關 Moderately correlated

課程大綱 Course Outline

1. Introduction
2. Describing Data: Frequency Tables, Frequency Distributions, and Graphical Presentation

3.Describing Data: Numerical Measures
4.Probability
5.Discrete Random Variables and Probability Distributions
6.Continuous Random Variables and Probability Distributions
7.Sampling and Sampling Distributions

資源需求評估（師資專長之聘任、儀器設備的配合···等）
Resources Required (e.g. qualifications and expertise, instrument and equipment, etc.)

課程要求和教學方式之建議
Course Requirements and Suggested Teaching Methods
本課程以講授方式進行，輔以課堂討論

其他
Miscellaneous