**管院學士班課程大綱**

**BA/BBA Program Syllabus**

**2023.09.20修訂**

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| 系所Department | 經濟學系 Economics | | | | | 必選修compulsory/elective | | 必修Compulsory | |
| 課程名稱  Course title | Statistics | | | | | 學分數Credit(s) | | 3 | |
| 課號  Course Code | 5102301\_02 | | | | | 全英文授課English Taught (EMI) | | 是(Yes) | |
| 學年/學期academic year/Semester | 114/1 | | | | | 上課地點Classroom | | R106 | |
| 講授教師  Instructor | Fu-Min Tseng | | | | | 上課時間  Time | | Tue and Thu 10:10-12:00 | |
| 教師辦公室&諮詢時間 Instructor office & office hour | | Wed 14:00-16:00 | | 教師聯絡資訊  Instructor Contact | | | Phone: 34128  Email: ftseng@ccu.edu.tw | | |
| 助教  Teaching Assistant | |  | | 助教 聯絡資訊  TA contact | | | Email: | | |
| 先修課程  Pre-requisite courses |  | | | | | | | | |
| 學習目標  Learning Objective | This course presents material from probability and statistics essential for the successful study of introductory econometrics. | | | | | | | | |
| 課程概述  Course Descriptions | This semester, the course will begin with an overview of statistics and the principles of data description. It will then proceed to discuss both discrete and continuous random variables, along with their respective probability distributions. These foundational topics are crucial for understanding the statistical methods and analyses used in econometrics. | | | | | | | | |
| **對應AOL職能素養(AOL Competency)** | | | | | | | | | |
| **職能素養3(Competency 3): 問題解決能力Problem Solving Skills** | | | | 選擇一個項目。 | | | | | |
| 課程類別  Course Attributes | □人文關懷課程(Humanities Caring) □競賽專題課程(Competition) ⬛問題導向課程(Problem-solving) □專題導向課程(Project-based) □實作課程(Practice-based) □總整課程(Capstone) | | | | | | | | |
| 教材編選  Teaching materials | ⬛自製簡報(self-made PPTs) □課程講義(Teaching Notes)  □自編教科書(self-made textbooks) □教學程式(programming)  □自製教學影片(self-made video) □其他(Others) | | | | | | | | |
| 教學資源  Teaching Resources | ⬛課程網站(Website) □實習網站(Intern Web)  □教材電子檔供下載(Downloadable Files) | | | | | | | | |
| 教科書/參考書  Textbooks/References | Camm, Cochran, Fry, Ohlmann, Anderson, Sweeney, and Williams. Statistics for Business & Economics 15e /滄海圖書 | | | | | | | | |
| 評量方式(請填百分比)  Assessment | Participation | | 5% | | Case study | | | | % |
| Homework | | % | | Project | | | | % |
| Quiz | | 20% | | Tutorial participation | | | | 5% |
| Midterm exam | | 35% | |  | | | | % |
| Final exam | | 35% | |  | | | | % |
| Presentation | | % | |  | | | | % |
| 其他說明  Other description | Examinations are the sole assessment criterion for this module. However, attendance will influence grade adjustment. Students who are absent more than three times during the semester will not be eligible for grade adjustment. Absences can be excused, and thus removed from the record, if students provide valid documentation for bereavement or official leaves.  Make-up examinations will only be granted for the aforementioned reasons, with a consequential 20% deduction in the exam score. It is imperative that students notify me prior to the scheduled exam time if they anticipate an absence, except in cases where unforeseen circumstances prevent prior notification. | | | | | | | | |
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**課程規劃表Course Schedule**

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| **週次**  **week** | **日期**  **Date** | **內容**  **Description** | **教材章節**  **Textbook** | **其他說明**  **Remark** |
| **1** |  | Data and Statistics | Chapter 1 |  |
| **2** |  | Descriptive Statistics: Tabular and Graphical Displays | Chapter 2 |  |
| **3, 4** |  | Descriptive Statistics: Numerical Measures | Chapter 3 |  |
| **5, 6** |  | Introduction to Probability | Chapter 4 |  |
| **7, 8, 9** |  | Discrete Probability Distribution | Chapter 5 |  |
| **10** |  | Mid-term examination |  |  |
| **11, 12, 13** |  | Continuous Probability Distributions | Chapter 6 |  |
| **14, 15** |  | Sampling and Sampling Distribution | Chapter 7 |  |
| **16** |  | Final examination |  |  |
| **17, 18** |  | Self-study using module supplements and additional quizzes. |  |  |