



課 綱 Course Outline  
公共行政學系學士班

|  |   |                  |                   |   |     |
|--|---|------------------|-------------------|---|-----|
| 中文課程名稱<br>Course Name in Chinese                 | 應用統計學   |                  |                   |   |     |
| 英文課程名稱<br>Course Name in English                 | Applied Statistics  |                  |                   |   |     |
| 科目代碼<br>Course Code                              | PA_10030  | 班 別<br>Degree    | 學士班<br>Bachelor's |   |     |
| 修別<br>Type                                       | 學程<br>Program   | 學分數<br>Credit(s) | 3.0               | 時 數<br>Hour(s)  | 3.0 |
| 先修課程<br>Prerequisite                             |   |                  |                   |   |     |
| 課程目標<br>Course Objectives                        |   |                  |                   |   |     |
| 一、培養學生統計學基礎理論知識。<br>二、培養學生運用統計分析方法解決公共事務相關問題的能力。 |   |                  |                   |   |     |
| 系教育目標<br>Dept.'s Education Objectives            |   |                  |                   |   |     |
| 1  | 培育公、私部門領導統御與學術研究人才<br>Leadership and Research Capacity for the Public and Private Sectors   |                  |                   |   |     |
| 2  | 培育理論與實務能力兼具之公共事務人才<br>Theoretical and Pragmatic Abilities for Public Affairs  |                  |                   |   |     |
| 3  | 培育具備在地實踐及國際視野之政策諮詢人才<br>Local and Global Visions for Policy Advisory  |                  |                   |   |     |
| 系專業能力<br>Basic Learning Outcomes                 |   |                  |                   | 課程目標與系專業能力相關性<br>Correlation between Course Objectives and Dept.'s Education Objectives |     |
| A  | 培養具備公共行政之理論知識與實務能力<br>Establishing the Theoretical Foundations and Building Pragmatic Public Administration Capabilities            |                  |                   | ○   |     |
| B  | 培養具備公共政策之規劃、制訂、執行、評估與議題發掘能力<br>Building Capabilities to Policy Planning, Formulation, Implementation, Evaluation, and Probing Issue |                  |                   | ●   |     |
| C  | 培養具備全球暨區域政經議題之基本知識<br>Basic Knowledge for Global and Regional Political and Economic Issues   |                  |                   | ○   |     |
| D  | 培養具備社會科學研究之基礎理論知識與實證能力<br>Social Science Theoretical Foundations and Pragmatic Capacity   |                  |                   | ●   |     |

|   |   |   |
|---|---|---|
| E   | 培養具備良好人際溝通與團隊合作之公民素養<br>Civic Education for Good Interpersonal Communication and Teamwork Cooperation | ● |
| 圖示說明Illustration：● 高度相關 Highly correlated ○ 中度相關 Moderately correlated  |   |   |
| 課程大綱<br>Course Outline  |   |   |
| 一、導論<br>二、敘述統計<br>三、抽樣與統計估計<br>四、假設檢定<br>五、變異數分析<br>六、相關分析<br>七、迴歸分析  |   |   |
| 資源需求評估（師資專長之聘任、儀器設備的配合．．．等）<br>Resources Required (e.g. qualifications and expertise, instrument and equipment, etc.) |   |   |
| 課程要求和教學方式之建議<br>Course Requirements and Suggested Teaching Methods  |   |   |
| 一、指定教科書。<br>二、教學與實習並重。<br>三、每週三小時正式授課，另每週加一小時實習課，由助教帶領。   |   |   |
| 其他<br>Miscellaneous   |   |   |
|   |   |   |