



課 綱 Course Outline

應用數學系統計碩士班

中文課程名稱 Course Name in Chinese		統計專論(一)			
英文課程名稱 Course Name in English		Topics in Statistics (I)			
科目代碼 Course Code		AM__55700	班 別 Degree	碩士班 Master' s	
修別 Type		選修 Elective	學分數 Credit(s)	3.0	時 數 Hour(s) 3.0
先修課程 Prerequisite					
課程目標 Course Objectives					
由任課教師專長區分，設定個別目標。 Course objectives are subject to the expertise of the instructor.					
系教育目標 Dept.' s Education Objectives					
1	訓練嚴謹思考與推理能力。 To provide a solid training in rigorous thinking and reasoning ability.				
2	奠定理論與應用數學的基礎知識。 To establish well-founded background knowledge in pure and applied mathematics.				
3	具備跨領域學習能力。 To prepare the students for interdisciplinary study in the future.				
系專業能力 Basic Learning Outcomes				課程目標與系專業能力相關性 Correlation between Course Objectives and Dept.' s Education Objectives	
A	具備專業機率、統計知識與應用分析能力。 Have well-founded expertise in probability and statistics, and good analytical ability in solving real problems.			●	
B	具備程式設計與統計計算能力。 Have the computer programming and statistical computing skills.			○	
C	具備學習其它學科的能力，以期能邁向跨領域研究。 Be able to study other fields of science so as to conduct interdisciplinary research in the future.			○	
圖示說明Illustration：● 高度相關 Highly correlated ○ 中度相關 Moderately correlated					
課程大綱 Course Outline					

正式開課時，由任課教師訂定詳細綱要。
Course Outline To be given by the instructor.
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.)
本系統計專長教師，相關硬軟體。 Faculty member with PhD in Statistics, and classroom facilitated with PCs having related statistical software installed.
課程要求和教學方式之建議 Course Requirements and Suggested Teaching Methods
正式開課時，由任課教師訂定。 To be given by the instructor.
其他 Miscellaneous
撰寫人：應用數學系 曾玉玲 撰寫日：100年4月