



課 綱 Course Outline
資訊工程學系資工組

中文課程名稱 Course Name in Chinese	資訊安全管理系統				
英文課程名稱 Course Name in English	Information Security Management System				
科目代碼 Course Code	CSIE62050	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					
ISMS 是一套完整的資訊安全制度流程藉以確保單位之資訊財產，讓風險控制在可接受範圍內，並將傷害降到最低。並透過各類文件及紀錄作持續的經營改善。本課程將透過ISO 27001國際標準來介紹如何藉由建立一套完整的資訊安全管理系統，以加強資訊安全的管理工作並有效解決資訊安全的問題。					
系教育目標 Dept.' s Education Objectives					
1	探究學科知識，善用專業技能 Explore academic knowledge, utilize professional skills.				
2	訓練評析思考，創新解決問題 Exercise analytical thinking, enhance creative problem solving skills.				
3	學習團隊分工，強化溝通表 Participate in teamwork, strengthen communication skills.				
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	統合資工知識技術之能力 Ability to integrate knowledge and technologies of computer science and information engineering.			●	
B	設計技術理論驗證實驗之能力 Ability to design and conduct science experiments and to validate hypotheses.			●	
C	資訊軟硬體設計開發之能力 Ability to design and develop computer software and hardware.			○	

D	團隊專案開發之能力 Ability to design and develop team projects.	○
E	批判性思考與創新研發之能力 Ability of analytical thinking, creative research planning, and innovative development.	○
圖示說明Illustration：● 高度相關 Highly correlated ○ 中度相關 Moderately correlated		
課程大綱 Course Outline		
1. Security policy 2. Organization of information security 3. Asset Management 4. Human resources security 5. Physical and environmental security 6. Communications and operations management 7. Access control 8. Information systems acquisition, development and maintenance 9. Information security incident management 10. Business continuity management 11. Compliance		
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.)		
現有合宜之專任師資		
課程要求和教學方式之建議 Course Requirements and Suggested Teaching Methods		
1. 教師講解。 2. 學生報告。		
其他 Miscellaneous		