



課 綱 Course Outline  
資訊管理學系一般組

中文課程名稱 Course Name in Chinese	高等電子商務				
英文課程名稱 Course Name in English	Advanced Electronic Business				
科目代碼 Course Code	IM_50070	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					
訓練學生從學界及實務界的論文及實例探討，了解最新電子商務的發展及未來趨勢，進而發展出適當之電子商務系統。					
系教育目標 Dept.'s Education Objectives					
1	培育具備資訊技術解決問題思維能力之高級人才 Cultivate senior personnel with the capability of information technology to solve problems with thinking skills				
2	以資訊技術為核心，培育具有高度專業能力之技術人才 Cultivate professional personnel with the capability of information technology				
3	以管理為對象，培育具有創新、研發、企劃整合能力之高級人才 Cultivate senior personnel with the capability of innovation, research and development and integrated planning				
4	提供數位內容、電子商務與知識管理所需之人才 Cultivate personnel with the capability of digital content, electronic commerce and knowledge management				
5	培育符合國家與區域發展所需之資訊管理人才 Cultivate information management personnel to meet the needs of national and regional development				
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	培育具備創造與思考能力、服務精神、團隊合作以及國際觀 Nurture ability regarding creativity and thinking, spirit of service, teamwork and international view				

B	培養具備資訊專業知識與技能 Nurture professional ability and skill regarding information	●
C	培養具備資訊科技與管理領域之知識整合應用能力 Nurture integrated ability regarding information technology and management	
D	培養具備解決問題之資訊剖析、組織、整合、應用以及表達的能力 Nurture ability of information analysis, organization, integration, application, and expression regarding problem solving	●
E	培養具備獨立研究、領導智能與資訊創新的能力 Nurture ability regarding independent research, leadership and information innovation	

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

課程大綱  
Course Outline

- Chapter 1: From World Wide Web to Semantic Web
- Chapter 2: Semantic Descriptions of Web Services
- Chapter 3: Developing Intelligent Semantic Web Services
- Chapter 4: Semantic Web Support for Customer Services
- Chapter 5: A Tutorial on RDF with Jena
- Chapter 6: A Semantic Web Service Architecture for Learning Object Repositories
- Chapter 7: Using Semantic Web to Facilitate Agent-to-Agent Argumentation for e-Commerce
- Chapter 8: Building Dynamic Business Process in P2P Semantic Web
- Chapter 9: An Intelligent Metasearch Engine with Link Prediction and Page Clipping Generation Capabilities
- Chapter 10: Access Control for Web Service Applications: An Example in Collaborative Auditing
- Chapter 11: Semantics and the Medical Web: Towards Effective Medical Healthcare Search
- Chapter 12: Web Mining for Protein-to-Protein Interaction Information
- Chapter 13: SWAP - A Framework for Ontology Support in Semantic Web Applications

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.)

具資訊管理專長之教師。

課程要求和教學方式之建議

Course Requirements and Suggested Teaching Methods

課堂授課及論文研討。

課程成績評定之依據和標準:

期中報告30%,

期末報告40%,

平時表現及作業:30%

其他

Miscellaneous

其他

Miscellaneous

1. Eldon Li, Timon C. Du, Advances in Electronic Business, Volume 2, 2007

2. Cited papers.