



課 綱 Course Outline
企業管理學系國際組

中文課程名稱 Course Name in Chinese	決策模式與方法				
英文課程名稱 Course Name in English	Decision Models and Methods				
科目代碼 Course Code	BM__M0010	班 別 Degree	碩士班 Master' s		
修別 Type	必修 Required	學分數 Credit(s)	3.0	時 數 Hour(s)	3.0
先修課程 Prerequisite					
課程目標 Course Objectives					
This course is designed to prepare the MBA students for a professional career in business management. As a manager, a graduate may be involved with decision models in two ways: either as a decision maker or as a consumer. He/She may participate directly in a project that uses decision models. Or he/she may need to evaluate and implement decisions proposed by other people. This course intends to study successful implementation of contemporary, world-class cases to help the students gain a deeper understanding of management science applicability and sharpen their quantitative reasoning abilities to apply and evaluate decision models					
系教育目標 Dept.' s Education Objectives					
1	培養具國際觀之企業經理人。 Cultivating professional managers equipped with international perspective				
2	培養具資訊科技能力之專業經理人。 Cultivating professional managers equipped with IT management proficiency				
3	培養具人文素養之專業經理人。 Cultivating equipped with human culture professional managers				
4	培養理論與實務並重之專業經理人。 Cultivating business professionals with both theoretic expertise and practical experience				
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	具備企業管理理論的核心專業知識。 Core knowledge of theories related to business management			●	

B	具備邏輯思考與企業經營管理問題解決的能力。 Capability of logical thinking and problem solving to business management	●
C	具備領導、溝通協調與團隊運作的能力。 Capability of leadership, communication, and collaboration	○
D	具備國際觀以及外語溝通的能力。 Global perspective and capability of communication in foreign languages	●
E	具備資訊科技之妥善運用能力，以培育企業經營之運籌帷幄。 Capability of IT applications for business operations	●
F	具備企業倫理以奠定經營觀念之認知與堅持。 Having recognition and persistence of business ethics	

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

課程大綱 Course Outline

1. Overview of MS Applications
2. Management Decision Process
3. Decision Analysis
4. Waiting Line Models
5. Simulation
6. Forecasting
7. Linear programming
8. Integer Programming Models
9. Transportation Models
10. Transshipment & Assignment Models

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.)

1. Teaching staff should have backgrounds in management sciences (theory and application) or related academic fields.
2. Use of EXCEL will be required to for homework. Other MS software such as LINGO, Crystal Ball, Tree Plan may be used as needed.

課程要求和教學方式之建議 Course Requirements and Suggested Teaching Methods

This course will cover the contents of the textbook in class with a focus on selected chapters. Additional reading materials about concepts and applications of decision models will be also provided to facilitate student' s learning.

其他 Miscellaneous

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