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課 網 Course Outline

管理學院管理科學與財金國際學士學位學程學士班

中文課程名稱 Course Name in Chinese		作業研究						
英文課程名稱 Course Name in English		Operations Research						
科目代碼 Course Code		MSF_10410	班 別 Degree	學士班 Bachelor's				
修別 Type		學程 Program	學分數 Credit(s)	3. 0	時 數 lour(s)	3.0		
先修課程 Prerequisite								
課程目標 Course Objectives								
This course is designed to let students familiar with basic concepts of management science. Topics covered are classical techniques of the discipline.								
系教育目標 Dept.'s Education Objectives								
1	培育具備良好數量分析能力之管理人才。 Cultivating management professionals with outstanding ability in quantitative analysis.							
2	' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' '	金融專業知識之人才。 professionals with finance-specific knowledge.						
3	培育具備國際視野與外語溝通能力之人才。 Cultivating professionals with a global vision and the ability in foreign-language communication.							
4	培育具備決策分析與問題解決之技能的管理人才。 Cultivating management professionals with knowledge and skills in decision analysis and problem solving.							
		系專業能力 Basic Learning Outo	comes		力相關性 Correlati between C Objective	Course es and Education		
A	能以數量方法分析 Using quantitati	與解決問題。 ve methods to analyze	and solve p	roblems.		•		
В	具備財務金融領域 Equipped with th	之分析能力。 e ability to analyze :	finance.		(\supset		

С	能善用資訊科技進行資料分析、統整與呈現。 Using information technology to analyze, integrate, and present data.	0				
D	具備國際視野與專業外語能力。 Equipped with a global vision and specialized foreign language proficiency.					
Е	具備掌握財經時事議題及研判財經趨勢之能力。 Equipped with the ability to master topics of finance and economy, and other current news, and to diagnose financial and economic tendencies.					
F	F 具備一般管理的基礎知識。 Equipped with basic knowledge of management in general.					
圖示說明Illustration : ● 高度相關 Highly correlated ○中度相關 Moderately correlated						
課程大綱 Course Outline						
-Forecasting -Linear Programming -Transportation Models -Integer Programming -Network Models -PERT/CPM -Multi-criteria Decision Making -Decision Theory -Markov Analysis -Waiting Line 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.)						
The instructor should have expertise in operations research or management science.						
課程要求和教學方式之建議 Course Requirements and Suggested Teaching Methods						
Theory and software application will be discussed in lecture.						
其他 Miscellaneous						