



課 綱 Course Outline
運籌管理研究所碩士班國際組

中文課程名稱 Course Name in Chinese	生產與作業管理				
英文課程名稱 Course Name in English	Production and Operations Management				
科目代碼 Course Code	GSLMM0010	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					
The course provides an introduction to the backgrounds, concepts, analytic methods, and application areas that are useful and important in managing the production and/or service operations of a firm.					
系教育目標 Dept.' s Education Objectives					
1	培養具備供應鏈與運籌管理知識能力之專業人才。 To nurture professionals with knowledge and skills in supply chain and logistics management				
2	培養具備邏輯與批判思維之專業管理人才。 To nurture management professionals with logical and critical thinking				
3	培養具備國際溝通與簡報能力之專業人才。 To nurture bilingual professionals with communication and presentation skills				
4	培養具有國際視野與在地經驗之供應鏈與運籌管理專才。 To nurture professionals in supply chain and logistics management with global vision and local 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	基礎供應鏈與運籌管理知識 Foundations on supply chain and logistics management			●	
B	供應鏈與運籌之系統管理知識 Knowledge on managing systems in supply chain and logistics			●	

C	供應鏈與運籌之分析工具知識 Knowledge on logical and analytical tools for supply chain and logistics	●
D	語文表達能力 Language and communication skills	○
圖示說明Illustration：● 高度相關 Highly correlated ○ 中度相關 Moderately correlated		
課程大綱 Course Outline		
The course provides an introduction to the concepts and analytic methods that are useful in understanding the management of a firm's operations. The level of analysis varies considerably from operations strategy, to daily control of production processes and inventory. Topics may include Decision Making, Forecasting, Production and Service Design, Aggregate Planning, Inventory Management, MRP, JIT, Scheduling, Waiting Lines, Quality Assurance, Logistics Management.		
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.)		
Instructor(s) may be required a Ph.D. degree in Industrial Engineering or related fields with certain level of industrial experience in production and service operations.		
課程要求和教學方式之建議 Course Requirements and Suggested Teaching Methods		
1.The class will be a mix of lectures and discussion sessions. 2.The topics of the class will mainly follow the text book.		
其他 Miscellaneous		