



課 綱 Course Outline  
運籌管理研究所碩士班一般組

|  |  |                                      |                  |  |                |     |
|--|--|--------------------------------------|------------------|--|----------------|-----|
| 中文課程名稱<br>Course Name in Chinese       |  | 生產與作業管理                              |                  |  |                |     |
| 英文課程名稱<br>Course Name in English       |  | Production and Operations Management |                  |  |                |     |
| 科目代碼<br>Course Code                    |  | GSLM53600                            | 班 別<br>Degree    | 碩士班<br>Master' s   |                |     |
| 修別<br>Type                             |  | 選修<br>Elective                       | 學分數<br>Credit(s) | 3.0  | 時 數<br>Hour(s) | 3.0 |
| 先修課程<br>Prerequisite                   |  |                                      |                  |  |                |     |
| 課程目標<br>Course Objectives              |  |                                      |                  |  |                |     |
| 介紹生產與作業管理在企業管理研究中之背景概念・使用技術・應用範圍以及其重要性 |  |                                      |                  |  |                |     |
| 系教育目標<br>Dept.' s Education Objectives |  |                                      |                  |  |                |     |
| 1                                      | 培養具備管理科學與運籌供應鏈知識能力之專業人才。<br>To nurture professionals with knowledge and skills in management science, logistics, and supply chain management |                                      |                  |  |                |     |
| 2                                      | 培養具備邏輯思考與決策分析能力之管理專業人才。<br>To nurture management professionals with logical thinking and analytical decision skills                          |                                      |                  |  |                |     |
| 3                                      | 培養具備國際溝通與簡報能力之專業人才<br>To nurture bilingual professionals with communication and presentation skills  |                                      |                  |  |                |     |
| 4                                      | 培養具有國際視野與在地經驗之運籌管理專才。<br>To nurture professionals in logistics management with global vision and local experience                            |                                      |                  |  |                |     |
| 系專業能力<br>Basic Learning Outcomes       |  |                                      |                  | 課程目標與系專業能力相關性<br>Correlation between Course Objectives and Dept.' s Education Objectives |                |     |
| A                                      | 基礎運籌、供應鏈管理知識<br>Foundations on logistics and supply chain management   |                                      |                  | ●  |                |     |
| B                                      | 運籌系統管理知識<br>Knowledge on logistics system management   |                                      |                  | ○  |                |     |
| C                                      | 運籌工具方法知識<br>Knowledge on analytical tools and methodologies in logistics   |                                      |                  | ○  |                |     |

|  |   |   |
|--|---|---|
| D  | 語文表達能力<br>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<br>Course Outline   |   |   |
| <p>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, todaily 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.</p> |   |   |
| <p>資源需求評估（師資專長之聘任、儀器設備的配合．．．等）<br/>Resources Required (e.g. qualifications and expertise, instrument and equipment, etc.)</p>  |   |   |
| 教師以具有工業工程或管理科學博士學位及實務應用經驗者為適．  |   |   |
| 課程要求和教學方式之建議<br>Course Requirements and Suggested Teaching Methods   |   |   |
| <p>1. The class will be in a lecture orientation.<br/>2. The topics of the class will mainly follow the text book</p>  |   |   |
| 其他<br>Miscellaneous  |   |   |
|  |   |   |