

運籌管理系 碩士班 113 學年度入學課程結構規劃表

2024 Curricula for the Master's Program/Ph.D. Program/In-Service Master's Program in Logistics Management

課程類別 Course Category				一年級 1 st Academic Year						二年級 2 nd Academic Year					
				第一學期 Semester 1			第二學期 Semester 2			第一學期 Semester 1			第一學期 Semester 2		
				課程名稱 Course Name	學分數 Credits	時數 Hours	課程名稱 Course Name	學分數 Credits	時數 Hours	課程名稱 Course Name	學分數 Credits	時數 Hours	課程名稱 Course Name	學分數 Credits	時數 Hours
系專業 課程 Departmental Professional Courses	必修 Required		應修 6 學分數 6 Credits Needed							論文 Thesis	6	6	論文 Thesis	6	6
	研究方 法領域 Research Methodology Specialty	至少選 修 3 門 課、9 學分 At least 3 courses, totaling 9 credits, must be selected	最佳化分析 Optimization Theory	3	3	演算法 Algorithms	3	3							
			統計迴歸分析 Regressive Analysis	3	3	多變量分析 Multivariate Analysis	3	3							
選修 Elective		系統模擬 Systems Simulation	3	3	問卷調查研究 Survey Design	3	3								
		個案研究 Case Study	3	3											
		運輸科技軟體應用 Application of Software in Transportation Technology	3	3	大數據分析 Big Data: Analytics and Practice	3	3	專案管理 Project Management	3	3	服務作業 管理 Service Operation Management	3	3		
		企業資源規劃 Enterprise Resource Planning	3	3	軟體應用 Application of Software	3	3	運輸系統分析 Transportation Systems Analysis	3	3					
		物流管理 Logistics Management	3	3	系統分析與設計 System Analysis and Design	3	3	海運管理 Management of Marine Transit	3	3					
		全球運籌管理 Global Logistic Management	3	3	供應鏈管理 Supply Chain Management	3	3								
		作業管理 Operations Management	3	3	國際物流 International Logistics	3	3								
		倉儲管理 Warehouse Management	3	3	全面品質管理 Total Quality Management	3	3								
		運輸物流模型 Models for Transportation and Logistics	3	3	物流中心規劃設計 Design and Planning of a Distribution Center	3	3								
		運輸規劃 Transportation Planning	3	3	物流網路規劃 Logistics Network Planning	3	3								
					配送管理	3	3								

				Phiscal Distribution Management 空運管理	3	3
				Air Transportation Management 運輸經濟	3	3
				Transportation Economics 需求分析與預測	3	3
				Demand Analysis and Forecasting		

備註 Notes:

一、畢業總學分數為 45 學分。

Minimum credit required to graduate: 45 credits.

二、必修 6 學分，選修 39 學分。

Required courses: 6 credits; elective courses: 39 credits.

三、學生修讀所屬學院之「學院共同課程」應認列為本系專業課程學分；修讀所屬學院之「學院跨領域課程」或其他學院開課之課程，則認列為外系課程學分。

Credits earned by students from the common courses offered by their respective colleges shall be accepted as their affiliated department's professional courses. However, credits earned from interdisciplinary courses offered either by their college or by other colleges will be accepted as credits earned from departments outside their own.

四、系所訂定條件（學程、檢定、證照、承認外系學分及其他）：

Departmental requirements (Ex: programs, certifications, licenses, recognition of external department credits, and other requirements):

(一) 研究方法領域至少修習 9 學分。

At least 9 credits in Research Methodology Specialty.

(二) 運籌管理碩士班至少修習 12 學分專業選修課程。

Master's Degree in Logistics Management requires completing at least 12 credits of departmental elective courses.

(三) 承認外系 3 學分，由系審核。

3 credits from non-departmental courses may be accepted, subject to departmental approval.

(四) 除上述系訂條件外，其餘學分之課程必須由本系運籌碩士班、商務經營管理碩士課程、及管理學院博士班運籌管理領域課程自由選擇修讀。

Aside from the above departmental requirements, The remaining credits must be fulfilled by freely selecting courses from the Master's Degree in Logistics Management, the Graduate Program in Business and Operations Management, or the PhD Program in Management with a focus on logistics management.

(五) 畢業前須修讀 2 門 EMI 課程，列為畢業門檻。每門 EMI 課程開課學分數，至少 2 學分(含)以上。

Prior to graduation, students are required to complete 2 EMI courses as part of the graduation criteria. Each EMI course must carry a minimum of 2 credits.

(六) 外籍生修讀非本系開設之英語授課課程(含線上課程)，經系務會議通過，可認列為畢業學分且不受承認外系學分數上限限制。

International students who complete English-taught courses not offered by the department (including online courses) may have them counted towards graduation credits, provided they are approved by the departmental meeting, and will not be subject to the maximum limit on credits from non-departmental courses.