

運籌管理系 四技 113 學年度入學課程結構規劃表

2024 Curricula for the Day School (4-year College Program) in Logistics Management

課程類別 Course Category			一年級 1 <sup>st</sup> Academic Year				二年級 2 <sup>nd</sup> Academic Year				三年級 3 <sup>rd</sup> Academic Year				四年級 4 <sup>th</sup> Academic Year						
			第一學期 Semester 1		第二學期 Semester 2		第一學期 Semester 1		第二學期 Semester 2		第一學期 Semester 1		第二學期 Semester 2		第一學期 Semester 1		第二學期 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	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	
校共同必修課程 University-wide Common Core Requirements			應修學分數 12 學分 (12 credits)		中文閱讀與 表達(一) Chinese Reading and Expression (I)	2	2	中文閱讀與 表達(二) Chinese Reading and Expression (II)	2	2											
					實用英文(一) Practical English (1)	2	2	實用英文(二) Practical English (2)	2	2	實用英文(三) Practical English (3)	2	2	實用英文(四) Practical English (4)	2	2					
					體育(一) Physical Education (1)	0	2	體育(二) Physical Education (2)	0	2	體育(三) Physical Education (3)	0	2	體育(四) Physical Education (4)	0	2					
					服務教育(一) Community Service (1)	0	1	服務教育(二) Community Service (2)	0	1											
通識 課程 General Education Courses	校訂 通識 University General Education Domains	基礎探索入門 Introduction to Basic Exploration	應修學分數至 少 2 學分 (min. required: 2 credits)		校訂通識/2/2 University General Education /2/2 校訂(一)藝術美感探索 Exploration in Arts and Beauty、校訂(二)運算與程式設計 Computing and Programming、校訂(三)生命與倫理 Life and Ethics、 校訂(四)走讀高雄 Field Study of Kaohsiung、校訂(五)海洋科技與永續 Sustainable Marine Science and Technology、校訂(六)創意與創新 Creativity and Innovation																
	博雅 通識 Liberal Curriculum Domains	人文與創意美感 Humanities and Creative Aesthetics	應修學分數 14 學分 (至少任選 3 課群) (min. required: 14 credits across at least 3 different course groups)		博雅通識/學分數/時數 Course Name/Credits/Hours																
		科技與數位知能 Technology and Digital Literacy			博雅通識/學分數/時數 Course Name/Credits/Hours																
		社會與身心關懷 Society and Physical and Mental Well- being			博雅通識/學分數/時數 Course Name/Credits/Hours																
		歷史與多元思維 History and Diversity of Thought			博雅通識/學分數/時數 Course Name/Credits/Hours																
		全球與永續議題 Global and Sustainable Issues			博雅通識/學分數/時數 Course Name/Credits/Hours																
	通識微學分 General Education Micro-credits	通識微學分(一)/1 General education micro-credits course 1/1、通識微學分(二)/1 General education micro-credits course 2/1、通識微學分(三)/1 General education micro-credits course 3/1、通識微學分(四)/1 General education micro-credits course 4/1、通識微學分(五)/1 General education micro-credits course 5/1、通識微學分(六)/1 General education micro-credits course 6/1、通識微學分(七)/1 General education micro-credits course 7/1、通識微學分(八)/1 General education micro-credits course 8/1、通識微學分(九)/1 General education micro-credits course 9/1、通識微學分(十)/1 General education micro-credits course 10/1																			

課程類別 Course Category			一年級 1 <sup>st</sup> Academic Year						二年級 2 <sup>nd</sup> Academic Year						三年級 3 <sup>rd</sup> Academic Year						四年級 4 <sup>th</sup> Academic Year						
			第一學期 Semester 1			第二學期 Semester 2			第一學期 Semester 1			第二學期 Semester 2			第一學期 Semester 1			第二學期 Semester 2			第一學期 Semester 1			第二學期 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	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	
學院共同課程 (由學院開課) College Common Courses	必修 Required	○○學程/○○領域 ___ Program/ ___ Specialty	應修學分數 2 2 credits needed	課程名稱/學分數/時數 Course Name/Credits/Hours 企業倫理與永續發展/2 /2 Business Ethics and Sustainable Development																							
學院跨領域課程 (由學院開課) College Interdisciplinary Courses	選修 Elective	○○學程/○○領域 ___ Program/ ___ Specialty	應修課程數/ 應修學分數 Number of Courses Needed/ Credits Needed	課程名稱/學分數/時數 Course Name/Credits/Hours 機器學習 Machine Learning/3 /3 智慧商務導論 Introduction for Productivity of Business Service/3 /3 智慧科技 Smart Technology /3 /3																							

課程類別 Course Category				一年級 1 <sup>st</sup> Academic Year						二年級 2 <sup>nd</sup> Academic Year						三年級 3 <sup>rd</sup> Academic Year						四年級 4 <sup>th</sup> Academic Year						
				第一學期 Semester 1			第二學期 Semester 2			第一學期 Semester 1			第二學期 Semester 2			第一學期 Semester 1			第二學期 Semester 2			第一學期 Semester 1			第二學期 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	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		應修學分數 61 61 credits needed	經濟學(一) Economics (1)	3	3	會計學(二) Accounting (2)	3	3	統計學(一) Statistics (1)	3	3	統計學(二) Statistics (2)	3	3	物流管理 Logistics Management	3	3	供應鏈管理 Supply Chain Management	3	3	實務專題 Special Topics (1)	2	2	實務專題 Special Topics (2)	2	2	
				微積分 Calculus Management	3	3	經濟學(二) Economics (2)	3	3	作業研究 Operations Research	3	3	生產與作 業管理 Production and Operation Management	3	3	倉儲管理 Warehouse Management	3	3	實務專題 Special Topics (1)	2	2	實務專題 Special Topics (2)	2	2				
	程式語言 (一) Programming Language(I)	3	3	管理數學 Managerial Mathematics	3	3	運輸管理 Transportation Management	3	3	運輸工程 Transportation Engineering	3	3	財務管理 Financial Management	3	3													
選修 Elective	資訊科技 information technology	應修學分數 9 9 credits needed		資料庫系 統 Database System	3	3	企業資源 規劃軟體 應用 Application of Software in Enterprise Resource Planning 系統分析 與設計 System Analysis and Design	3	3	運輸科技 軟體應用 Application of Software in Transportation Technology	3	3	物流系統 模擬 Logistics System Simulation	3	3	行動裝置 程式設計 Mobile Device Programming	3	3	物聯網應 用設計 IoT Applied Design	3	3	物流大數 據 Logistics and Big Data Analysis	3	3				
				運籌專案 實習 discretionary training in logistics management	2	2	運籌暑期 實習 summer training in logistics management	2	2	運籌學期 實習(一) tSemester training in logistics management (I)	9	9	運籌學期 實習(二) tSemester training in logistics management (II)	9	9	運籌專題實 習(二) project-based training in logistics management (II)	2	2	運籌專題實 習(一) project-based training in logistics management (I)	2	2							





**備註 Notes :**

一、畢業總學分數為 128 學分。

Minimum credit required to graduate: 128 credits.

二、必修 63 學分，選修 37 學分。(不含校共同必修課程及通識課程的學分數)

Required courses: 63 credits; elective courses: 37 credits.

三、校共同必修課程及通識課程 28 學分；相關規定依據本校「共同教育課程實施辦法」、「共同教育課程結構規劃表」及「語言教學實施要點」。

University-wide common core requirements and general education courses total 28 credits. The relevant regulations are based on the school's "Implementation Regulations of Courses in the College of General Education", "Course Schedule of College of the General Education," and "Implementation Regulations of Language Education".

四、須修滿英(外)語 8 學分，本國籍學生英語畢業門檻為等同 CEFR B1 以上程度之各類英檢成績；各系自訂英語畢業門檻高於校訂者，另依該系規定。在學期間參加 2 次各類英檢考試，未通過者，須提出考試成績證明始得以下列其中一種方式通過：1. 通過校內英語畢業門檻檢定考試。2. 參加一期外語教育中心開設之短期英文加強課程，並符合課程簡章規定。3. 修讀並通過就讀院系開設 2 學分以上全英授課專業課程 1 門。多益成績達 550 分(或等同 CEFR B1 等級)以上者得免修大一英語(4 學分)；多益成績達 785 分(或等同 CEFR B2 等級)以上者得免修大一、大二英語(8 學分)，但須選修主題式英語或其他外語課程補足語言畢業學分數。其他外語課程請參閱外語教育中心課程結構規劃表。

8 credits in English and/or a second foreign language are required to graduate.

A. The English proficiency graduation requirement for domestic students is CEFR B1 level or higher with related grade report or transcript. For departments with higher English proficiency requirements, the requirements will be in effect.

B. Students who fail to meet the graduation requirement after two attempts at English proficiency tests during their academic years may fulfill it by passing any of the following:

a) School's English proficiency graduation test,

b) Participation in a short-term English improvement course offered by the Foreign Language Education Center and compliance with the course regulations,

c) Taking and passing at least one professional course that adopts English as a Medium of Instruction (EMI) offered by the college or the department which is worth two or more credits.

C. Students with a TOEIC score of 550 or above (equivalent to CEFR B1 level) are exempt from Practical English (1) and (2) (4 credits); those achieving a TOEIC score of 785 or above (equivalent to CEFR B2 level) are exempt from Practical English (1), (2), (3) and (4) (8 credits), but must take elective courses like English for Specific Purposes (ESP) courses or other foreign languages to meet the English and/or second foreign language graduation credit requirements. For courses of other foreign languages, please refer to the course schedule of the Foreign Language Education Center.

五、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 departments' professional courses. However, credits earned from interdisciplinary courses offered either by their colleges or by other colleges will be accepted as credits earned from departments outside their own.

六、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)本系學生必須在資訊科技領域至少選修 9 學分(必修課除外)。

Students in the department must complete at least 9 credits in information technology (excluding required courses).

(二)「實務專題(一)(二)」或「運籌專題實習(一)(二)」得擇一修讀。四上實務專題(一)、四下實務專題(二)視需要開設，但不能同時修讀實務專題(一)(二)(交換生除外)。

Students must choose either 「Special Topics (1),(2)」 or 「project-based training in logistics management (I),(II)」. Special Topics (1) in the first semester of the fourth year and Special Topics (2) in

the second semester of the fourth year will be offered as needed, but students are not allowed to take both Special Topics (1) and (2) simultaneously (except for exchange students).

(三)畢業前必須取得本系認可之運籌物流相關專業證照一項。

Before graduation, students must obtain at least one logistics-related professional certification recognized by the department.

(四)其他學分，學生必須在本系大學部和碩士班課程自由選讀，惟碩士班課程學分數若已經列入本系大學部畢業學分數計算，則不可列入本系碩士班畢業學分數計算。

Other credits must be freely selected from undergraduate and master's courses within the department. However, if credits from master's courses have already been counted toward the undergraduate graduation requirements of the department, they cannot be counted twice toward the master's degree graduation requirements.

(五)承認外系 12 學分，由系審核。

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

(六)一年級新生入學時若無法提供多益成績達 550 分(或等同 CEFR B1 等級)以上者，必選修讀大一「物流英文(一)、(二)」(各 2 學分)。

First-year students who cannot provide a TOEIC score of 550 or higher (or equivalent to CEFR B1 level) upon entry are required to take 「Logistics English (I)」 and 「Logistics English (II)」 (2 credits each).

(七)畢業前須修讀 3 門 EMI 課程。每門 EMI 課程開課學分數，至少 2 學分(含)以上。

Students are required to complete 3 EMI courses as part of the graduation criteria. Each EMI course must carry a minimum of 2 credits.