

長庚大學 管理研究所博士班 必選修科目表 (112學年度入學學生適用) 112.10.19修訂
List of Courses for the Ph.D. program in Graduate Institute of Management at Chang Gung University
Applicable to Newly-Admitted Students starting 2023 Academic Year
Approved at the Academic Affairs Meeting on Oct. 19, 2023

領域 Area	必選修 Required/ Elective	科目名稱 Course Title	學分 Credits	修業 年級 Year	上學期 Fall Semester	下學期 Spring Semester	說明 Remarks
必修 General required courses	必修 Required	研究方法(1)、(2) Research Methods I、II	6	1st	3	3	
	必修 Required	專題研討(1)、(2) Research Seminar I、II	4	1st	2	2	
	必修 Required	管理特論(1)、(2) Advanced Topics in Management I、II	6	2nd	3	3	
	必修 Required	科學研究與論文發表 Scientific Research and Paper Publication	2	2nd	2		
一般管理領域 (至少選二門) Compulsory elective core courses in the general management field (At least two courses should be selected)	選修 Elective	設計管理專題 Topics in Design Management	3	1st	3		推薦設計背景學生修習 Recommended for students with a design background
	選修 Elective	決策科學與應用 Decision Science and Applications	3	1st		3	推薦經營管理、資訊管理背景學生修習 Recommended for students with business and/or information management backgrounds
	選修 Elective	調查研究法 Survey Research Methods	3	1st	3		推薦經營管理背景學生修習。每兩年開課一次。 Recommended for students with a business management background. This course is offered every two years.
	選修 Elective	生產與作業管理 Production and Operations Management	3	2nd	3		推薦經營管理背景學生修習 需先修碩士班【最佳化與模擬】課程或取得授課教師同意免修 Prerequisite: Optimization Methods (MS program) or the like Approved waiver of the prerequisite by course instructor required
	選修 Elective	創新設計管理與實務 Innovation Design Management and Practice	3	1st		3	推薦設計背景學生修習 Recommended for students with a design background
	選修 Elective	統計特論 Topics in Statistics	3	2nd	3		推薦經營管理背景學生修習 Recommended for students with a business management background
	選修 Elective	人工智慧分類專題 The Classification Topics in Artificial Intelligence	3	1st		3	推薦資訊管理(python程式設計、Data Mining)背景學生修習 Recommended for students with an information management (e.g. python and Data Mining) background
	選修 Elective	國際學術溝通與交流 International Scholarly Communication	2	2nd		2	
	選修 Elective	資訊安全政策與管理 Policies and Management of Information Security	3	2nd		3	
	選修 Elective	混合方法研究設計與應用 Mixed method: Research design and application	3	2nd		3	
選修 Elective	深度學習應用專題 Application Project for Deep Learning	2	1st		2		
健康照護管理 領域(至少選二 門) Compulsory elective core courses in the healthcare management field (At least two courses should be selected)	選修 Elective	健康照護與社會 Healthcare and Society	3	1st	3		推薦健康產業背景學生修習 Recommended for students with a healthcare background
	選修 Elective	健康經濟學 Health Economics	3	1st		3	推薦健康產業背景學生修習 Recommended for students with a healthcare background
	選修 Elective	醫療產業跨領域協同創新設計應用 The Application of Interdisciplinary CollaborateInnovation Design for Medical Industries	3	1st	3		
	選修 Elective	創新設計思維在醫療產業的應用 The Application of Innovation Design Thinking to Medical Industry	3	1st		3	
	選修 Elective	健康經濟學專題 Topics in Health Economics	3	2nd	3		推薦健康產業背景學生修習。需先修【健康經濟學】課程或取得授 課教師同意免修 Recommended for students with a healthcare background Prerequisite: Health Economics or the like Approved waiver of the prerequisite by course instructor required
	選修 Elective	健康與資訊系統理論 Health and Information Systems Theories	3	2nd		3	推薦資訊管理背景學生修習 Recommended for students with an information management background
	選修 Elective	健康照護管理專題 Topics in Healthcare Management	3	2nd		3	推薦健康產業背景學生修習 Recommended for students with a healthcare background
	選修 Elective	輔具之產品創新設計策略與計畫 Design Strategy and Innovation for Assistive Technology Products	3	2nd		3	推薦設計背景學生修習 Recommended for students with a design background
附註 Remarks	1. 畢業學分：45 學分。 Minimum requirement for graduation: 45 credits (1)必修學分：18學分。 Required courses: 18 credits (2)選修學分：21學分(含一般管理選修至少6學分、健康照護管理選修至少6學分、其他課程選修至多9學分) Elective courses: 21 credits (including at least 6 credits of general management courses, at least 6 credits of healthcare management courses, and at most 9 credits of other courses) (3)論文6學分(學位考試通過後給予) 6 credits of thesis (granted after completion of dissertation defense)						
	2. 須達英文畢業門檻方可畢業：請詳見入學年度之修業規則。 Students are required to pass the English certification standard to obtain graduation qualifications. (see "Doctoral Degree Requirements and Regulations" for details)						
	3. 博士生修習本校非本所開設之碩博合開或博士班開設課程，經指導教授或所長書面同意認列畢業選修學分計算。 With approval from the advisor/director, credits obtained from all PhD program courses at CGU can be counted toward the elective course credit requirement.						