

**長庚大學 智慧醫療創新碩士學位學程 必選修科目表 (111 學年度入學學生適用)**  
**Course List for Master of Science Degree Program in Innovation for Smart Medicine**  
**Chang Gung University (for students admitted in Fall 2022)**

模組 module	必/選 (R/E)	科目名稱 Course Name	年級 Year	學分 Credit	上學期 1st	下學期 2nd	授課教師 Instructor	說明 Remarks
必修 Required	必 (R)	智慧醫療創新 Innovation in Smart Health Care	1	3	3		陳嶽鵬	
	必 (R)	智慧醫療專題 (I) Special Topics on Smart Health Care (I)	1	2	2		裴育晟	
	必 (R)	智慧醫療專題 (II) Special Topics on Smart Health Care II	1	2		2	郭昶甫	
	必 (R)	研究方法(1) Research Methods (1)	1	3	3		盧浩鈞	與管理研究所博士班合開 Offered by Graduate Institute of Management
	必 (R)	研究方法(2) Research Methods(2)	1	3		3	許光宏	與管理研究所博士班合開 Offered by Graduate Institute of Management
	必 (R)	科學研究與論文發表 Scientific Research and Paper Publication	2	2	2		鄧景宜	與管理研究所博士班合開 Offered by Graduate Institute of Management
創新設計 Innovative design	選 (E)	三創(創新、創意、創業)課程(I) Innovation, creativity and entrepreneurship courses (I)	1	2	2		黃建嘉	
	選 (E)	三創(創新、創意、創業)課程(II) Innovation, creativity and entrepreneurship courses (II)	1	2		2	陳彥瑜	
	選 (E)	生醫新創實務 Essentials in Biomedical Entrepreneur	2			2	王信堯	
	選 (E)	福祉設計專論 Disadvantaged Minority People Study	1	3		3	蔡采璇	與工業設計系碩士班合開 Offered by Master of Industrial Design
	選 (E)	創新產品設計與開發 Innovative Product Design and Development	1	3	3		曾俊儒	與工業設計系碩士班合開 Offered by Master of Industrial Design
	選 (E)	活動設計與輔助科技產品 Activity Analysis and Applications of Assistive Technology	1	2		2	黃湘涵	與健康照護產業碩士學位學程合開 Offered by Master Program of Health Care Industry

創業管理 Innovative management	選 (E)	生技健康產業經營策略 Business strategy for the biotech and health industries	2	2	2		廖珮茹	與健康照護產業碩士學位學程合開 Offered by Master Program of Health Care Industry
	選 (E)	醫療政策與政治 Health Policy and Politics	1	2	2		林欣柔	與醫管系碩士班合開 Offered by Health Care Management
	選 (E)	巨量資料分析與產業實務 Big Data Analysis and Practices in Industries	1	2	2		曾意儒	與商管在職資管組合開 Offered by EMBA Program in Information Management
	選 (E)	生技健康產業財務管理 Financial Management of Biotech and Health Industry	1	2		2	棗厥庸	與健康照護產業碩士學位學程合開 Offered by Master Program of Health Care Industry
	選 (E)	設計管理專題 Topics in Design Management	1	3	3		邱文科	與管理研究所博士班合開 Offered by Graduate Institute of Management
	選 (E)	決策科學與應用 Decision Science and Applications	1	3		3	陳亭羽	與管理研究所博士班合開 Offered by Graduate Institute of Management
	選 (E)	生產與作業管理 Production and Operations Management	2	3	3		古思明	與管理研究所博士班合開 Offered by Graduate Institute of Management
	選 (E)	創新設計管理與實務 Innovation Design Management and Practice	1	3		3	邱文科	與管理研究所博士班合開 Offered by Graduate Institute of Management
	選 (E)	調查研究法 Survey Research Methods	1	3		3	鄧景宜	與管理研究所博士班合開 Offered by Graduate Institute of Management
	選 (E)	統計特論 Topics in Statistics	2	3	3		棗厥庸	與管理研究所博士班合開 Offered by Graduate Institute of Management
選 (E)	創意思考與方法 Creative Thinking and Method	1	3	3		蔡采璇	與工設系碩士班合開 Offered by Master of Industrial Design	
健康照護 管理 Healthcare management	選 (E)	職業病概論與職業病領域創新研究 Occupational Medicine and Current Researches	1	3	3		曹又中	
	選 (E)	職業醫學專題研討 Workshop of Occupational and Environmental Medicine	2	3		3	曹又中	
	選 (E)	老年周全性照護 Comprehensive Geriatric Care	2	2	2		林佩欣	與健康照護產業碩士學位學程合開 Offered by Master Program of Health Care Industry

	選 (E)	長期照護管理專題 Special Topics in Long-term Care Management	1	2		2	王惠玄	與醫管系碩士班合開 Offered by Master of Healthcare Management
	選 (E)	健康照護與社會 Healthcare and Society	1	3	3		盧瑞芬	與管理研究所博士班合開 Offered by Graduate Institute of Management
	選 (E)	健康經濟學 Health Economics	1	3		3	盧瑞芬	與管理研究所博士班合開 Offered by Graduate Institute of Management
	選 (E)	健康經濟學專題 Topics in Health Economics	2	3	3		盧瑞芬	與管理研究所博士班合開 Offered by Graduate Institute of Management
	選 (E)	健康與資訊系統理論 Health and Information Systems Theories	2	3		3	鄧景宜	與管理研究所博士班合開 Offered by Graduate Institute of Management
	選 (E)	健康照護管理專題 Topics in Healthcare Management	2	3		3	邱月暇	與管理研究所博士班合開 Offered by Graduate Institute of Management
	選 (E)	輔具之產品創新設計策略與計畫 Design Strategy and Innovation for Assistive Technology Products	2	3		3	蔡采璇	與管理研究所博士班合開 Offered by Graduate Institute of Management
智慧運算 Intelligent Computing	選 (E)	智慧醫材法規及風險管理 Regulations and Risk Management for Smart Medical Devices	1	3	3		許建隆	
	選 (E)	資訊安全政策與管理 Policies and Management of Information Security	1	3		3	許建隆	
	選 (E)	機器學習與其醫學應用 Machine Learning and Its Medical Applications	2	3		3	陳嶽鵬	
	選 (E)	深度學習概論 Introduction to Deep Learning	1	2		2	高煥堂	
	選 (E)	深度學習應用專題 Application Project for Deep Learning	2	2	2		林詩偉	
	選 (E)	影像處理 Image Processing	1	3	3		萬書言	與資管系碩士班合開 Offered by Master of Information Management
	選 (E)	高等資料結構與演算法 Advanced Data Structures and Algorithms	2	3	3		盧浩鈞	與管理研究所博士班合開 Offered by Graduate Institute of Management

	選 (E)	人工智慧分類專題 The Classification Topics in Artificial Intelligence	1	3		3	盧浩鈞	與管理研究所博士班合開 Offered by Graduate Institute of Management
備註 Remarks	<p>1. 碩士學位畢業學分：30學分 (含畢業論文/技術報告6學分)  <u>必修：13學分</u>；<u>選修17學分</u>，可跨年級選課。  Graduation credits: 30 credits, including 6 credits from writing a thesis/technical report</p> <p>(1) <u>必修：7學分</u>  Credits from required courses: 7 credits</p> <p>(2) <u>選修：17學分</u>；必須選修至少二個模組，可跨年級選課  Credits from elective courses: 19 credits from at least three elective modules, at least 2 credits from each of the chosen elective modules</p> <p>(3) <u>論文/技術報告：6學分</u>，於通過學位口試後授予  Six thesis/technical report credits are awarded upon completion of oral defence</p> <p>2. 須達英文畢業門檻方可畢業：詳見入學年度之修業規則。  Students are required to pass the English certification standard to obtain graduation qualifications.</p> <p>3. 其他：其他未列入必選修科目表本校研究所課程最多承認10學分，除非事前經學程負責人書面同意  At most 10 graduate level credits taken from other CGU departments/programs not listed here can be considered towards graduation credits, unless with</p>							