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)

		Chang dung din	verbity	(101 Brauc	nes admir	tea III I aii		
模組	必/選	科目名稱	年級	學分	上學期	下學期	授課教師	說明
module	(R/E)	Course Name	Year	Credit	1st	2nd	Instructor	Remarks
必修	必	智慧醫療創新	1	3	3		陳嶽鵬	
Required	(R)	Innovation in Smart Health Care						
	必	智慧醫療專題 (I)	1	2	2		裴育晟	
	(R)	Special Topics on Smart Health Care (I)						
	必	智慧醫療專題 (II)	1	2		2	郭昶甫	
	(R)	Special Topics on Smart Health Care II						
	必	研究方法(1)	1	3	3		鄧景宜	與管理研究所博士班合開
	(R)	Research Methods (1)						Offered by Graduate Institute of Management
	必	科學研究與論文發表	2	2	2		鄧景宜	與管理研究所博士班合開
	(R)	Scientific Research and Paper Publication						Offered by Graduate Institute of Management
創新設計	選	三創(創新、創意、創業)課程(I)	1	2	2		黄建嘉	
Innovative design	(E)	Innovation, creativity and entrepreneurshipcourses (I)						
	選	三創(創新、創意、創業)課程(II)	1	2		2	陳彥瑜	
	(E)	Innovation, creativity and entrepreneurshipcourses (II)						
	選	醫療器材產品化策略	1	3		3	黄建嘉	
	(E)	Medical Device Productization Strategy						
	選	福祉設計專論	1	3		3	蔡采璇	與工業設計系碩士班合開
	(E)	Disadvantaged Minority People Study						Offered by Master of Industrial Design
	選	創新產品設計與開發	1	3	3		曾俊儒	與工業設計系碩士班合開
	(E)	Innovative Product Design and Development						Offered by Master of Industrial Design
	選	活動設計與輔助科技產品	1	2		2	黄湘涵	與健康照護產業碩士學位學程合開(雙數
	(E)	Activity Analysis and Applications of						學年度開設)
		AssistiveTechnology						Offered by Master Program of Health Care Industry

創業管理	選	生技健康產業經營策略	2	2	2		廖珮茹	與健康照護產業碩士學位學程合開
Innovative management	(E)	Business strategy for the biotech and healthindustries						Offered by Master Program of Health Care Industry
	選	醫療政策與政治	1	2	2		林欣柔	與醫管系碩士班合開
	(E)	Health Policy and Politics						Offered by Health Care Management
	選	生技健康產業財務管理	1	2		2	棗厥庸	與健康照護產業碩士學位學程合開
	(E)	Financial Management of Biotech and Health Industry						Offered by Master Program of Health Care Industry
	選	設計管理專題	1	3	3		邱文科	與管理研究所博士班合開
	(E)	Topics in Design Management						Offered by Graduate Institute of Management
	選	生產與作業管理	2	3	3		古思明	與管理研究所博士班合開
	(E)	Production and Operations Management						Offered by Graduate Institute of Management
	選	統計特論	2	3	3		棗厥庸	與管理研究所博士班合開
	(E)	Topics in Statistics						Offered by Graduate Institute of Management
	選	創意思考與方法	1	3	3		蔡采璇	與工設系碩士班合開
	(E)	Creative Thinking and Method						Offered by Master of Industrial Design
健康照護	選	職業病概論與職業病領域創新研究	1	3	3		曹又中	
管理	(E)	Occupational Medicine and Current Researches						
Healthcare management	選	職業醫學專題研討	2	3		3	曹又中	
munugement	(E)	Workshop of Occupational and Environmental Medicine						
	選	老年周全性照護	2	2		2	林佩欣	與健康照護產業碩士學位學程合開
	(E)	Comprehensive Geriatric Care						Offered by Master Program of Health Care Industry
	選	長期照護管理專題	1	2		2	王惠玄	與醫管系碩士班合開
	(E)	Special Topics in Long-term Care Management						Offered by Master of Healthcare Management
	選	健康照護與社會	1	3	3		盧瑞芬	與管理研究所博士班合開
	(E)	Healthcare and Society						Offered by Graduate Institute of Management
	選	健康經濟學專題	2	3	3		盧瑞芬	與管理研究所博士班合開
	(E)	Topics in Health Economics						Offered by Graduate Institute of Management
	選	健康與資訊系統理論	2	3		3	許建隆	與管理研究所博士班合開
	(E)	Health and Information Systems Theories						Offered by Graduate Institute of Management

	選	健康照護管理專題	2	3		3	邱月暇	與管理研究所博士班合開
	(E)	Topics in Healthcare Management						Offered by Graduate Institute of Management
	選	輔具之產品創新設計策略與計畫	2	3		3	蔡采璇	與管理研究所博士班合開
	(E)	Design Strategy and Innovation for Assistive Technology Products						Offered by Graduate Institute of Management
智慧運算	選	智慧醫材法規及風險管理	1	3	3		許建隆	
Intelligent Computing	(E)	Regulations and Risk Management for Smart Medical Devices						
	選	機器學習與其醫學應用	2	3		3	陳嶽鵬	
	(E)	Machine Learning and Its Medical Applications						
	選	深度學習概論	1	2		2	高煥堂	
	(E)	Introduction to Deep Learning						
	選	深度學習應用專題	2	2	2		林詩偉	
	(E)	Application Project for Deep Learning						
	選	影像處理	1	3	3		萬書言	與資管系碩士班合開
	(E)	Image Processing						Offered by Master of Information Management
	選	高等資料結構與演算法	2	3	3		盧浩鈞	與管理研究所博士班合開
	(E)	Advanced Data Structures and Algorithms						Offered by Graduate Institute of Management
	選	人工智慧在自然語言處理與應用	2	3		3	陳嶽鵬	
	(E)	Artificial Intelligence in Natural Language Processing and Applications						

備註 Remarks 1. 碩士學位畢業學分:30學分(含畢業論文/技術報告6學分)

必修:13學分;選修17學分,可跨年級選課。

Graduation credits: 30 credits, including 6 credits from writing a thesis/technical report

(1) 必修:7學分

Credits from required courses: 5 credits

(2) 選修:17學分;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

(3) 論文/技術報告:6學分,於通過學位口試後授予

Six thesis/technical report credits are awarded upon completion of oral defence

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.

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
--	---