

長庚大學 智慧醫療創新碩士學位學程 必選修科目表 (113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 2024)								
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)	智慧醫材軟體創新 Smart Medical Material Software Innovation	1	3	3		陳嶽鵬	與管理研究所博士班合開 Offered by Graduate Institute of Management
	必 (R)	智慧醫療專題：場域應用 Smart Healthcare Topic: Field Applications	1	2	2		裴育晟	與管理研究所博士班合開 Offered by Graduate Institute of Management
	必 (R)	智慧醫療創新發展專題討論 Special Topics on the Progress of Innovative Healthcare Advancements	1	2		2	郭昶甫	與管理研究所博士班合開 Offered by Graduate Institute of Management
創新設計 與管理 Innovative design & Management	選 (E)	醫療器材設計與開發 Medical Device Design and Development	1	3	3		黃建嘉	
	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)	研究方法(1) Research Methods (1)	1	3	3		蕭文龍	與管理研究所博士班合開 Offered by Graduate Institute of Management
	選 (E)	專題研討 (1) Research Seminar I	1	2	2		鄧景宜	與管理研究所博士班合開 Offered by Graduate Institute of Management
	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)	創新產品設計與開發 Innovative Product Design and Development	1	3		3	曾俊儒	
	選 (E)	資訊安全政策與管理 Policies and Management of Information Security	1	3		3	許建隆	與管理研究所博士班合開 Offered by Graduate Institute of Management
	選 (E)	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
	選 (E)	專題研討 (2) Research Seminar II	1	2		2	鄧景宜	與管理研究所博士班合開 Offered by Graduate Institute of Management
	選 (E)	混合方法研究設計與應用 Mixed method: Research design and application	1	3		3	蕭文龍	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)	創意思考與方法 Creative Thinking and Method	1	3	3		蔡采璇	

	選 (E)	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
	選 (E)	管理特論 (1) Advanced Topics in Management I	2	3	3		張錦特	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		龔厥庸	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)	生物資訊分析 Bioinformatics analysis	1	2	2		鄧致剛	與生物醫學所博士班合開 Graduate Institute of Biomedical Sciences
	選 (E)	生物資訊分析實作 Practical Bioinformatics	1	1	1		鄧致剛	與生物醫學所博士班合開 Graduate Institute of Biomedical Sciences
	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)	醫療器材產品化策略 Medical Device Productization Strategy	1	3		3	黃建嘉	
	選 (E)	生醫新創產業講座 Biomedical Startup Industry Lecture	2	2		2	郭昶甫	
	選 (E)	管理特論 (2) Advanced Topics in Management II	2	3		3	張錦特	與管理研究所博士班合開 Offered by Graduate Institute of Management
	選 (E)	國際學術溝通與交流 International Scholarly Communication	2	2		2	鄧景宜	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)	生技健康產業財務管理 Financial Management of Biotech and Health Industry	2	2		2	陳佰弦	與健康照護產業碩士學位學程合開 Offered by Master Program of Health Care Industry
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)	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)	醫療產業跨領域協同創新設計應用 The Application of Interdisciplinary Collaborate Innovation Design for Medical Industries	1	3	3		梁又照	與管理研究所博士班合開 Offered by Graduate Institute of Management
	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)	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)	創新設計思維在醫療產業的應用 The Application of Innovation Design Thinking to Medical Industry	1	3		3	梁又照	與管理研究所博士班合開 Offered by Graduate Institute of Management
	選 (E)	健康照護與設計思考 Design Thinking in Health Care	1	2		2	葉婷婷	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)	老年周全性照護 Comprehensive Geriatric Care	1	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)	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(雙數學年度開設) Offered by Master Program of Health Care Industry
	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)	職業醫學專題研討 Workshop of Occupational and Environmental Medicine	1	3		3	曹又中	
	選 (E)	健康與資訊系統理論 Health and Information Systems Theories	2	3		3	許建隆	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
	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
4智慧運算 Intelligent Computing	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)	深度學習概論 Introduction to Deep Learning	1	2		2	高煥堂	
	選 (E)	機器學習與其醫學應用 Machine Learning and Its Medical Applications	1	3		3	陳嶽鵬	
	選 (E)	物聯網 Internet of Things	1	3		3	吳世琳	與資工系碩士班合開 Offered by Master of Computer Science
	選 (E)	人工智慧在自然語言處理與應用 Artificial Intelligence in Natural Language Processing and Applications	2	3		3	陳嶽鵬	

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