

Course List for Master of Science (MS) Degree Program in Information Management, Chang Gung University
(for international student admission in 2019 academic year)
長庚大學 資訊管理系碩士班 必選修科目表 (108學年度入學之外籍生適用)

Types	Course Name	Credit	Year	1st semester	2nd semester
Required Courses	Seminar on Information Technology and Applications* (資訊科技與應用專題研討)	1	1	1	
	Seminar on Information Management* (資訊管理專題研討)	1	1		1
	Seminar* (書報討論)	1	2	1	
	Thesis* (論文)	6	2		6
Elective Courses	Image Processing* (影像處理)	3	1	3	
	Applied Multivariate Analysis* (應用多變量分析)	3	1	3	
	Advanced Management Information Systems* (高等管理資訊系統)	3	1	3	
	Applied Cryptography (應用密碼學與資安應用)	3	1	3	
	Advanced Information Security* (高等資訊安全)	3	1		3
	Cloud Computing and Services* (雲端運算與服務)	3	1		3
	Advanced Data Structures and Algorithms* (高等資料結構與演算法)	3	1		3
	Medical Imaging* (醫學影像)	3	1		3
	Mobile Commerce* (行動商務)	3	1		3
	Service Science and Management (服務科學與管理)	3	1		3
	Identification and Security* (辨識與安全技術)	3	2	3	
	Next Generation Communication Networks (新一代通信網路)	3	2	3	
	Knowledge Management and Enterprise Intelligence (知識管理與企業智慧)	3	2	3	
	User Behavior and Management (使用者行為與管理)	3	2	3	
	Web Mining and Text Mining* (網頁與文字探勘)	3	2		3
	Mobile Commerce Security and Applications* (行動商務安全與應用)	3	2		3
	Special Topics in Information Security* (資訊安全專題)	3	2		3
	Special Topics in Inter-Organization Network (跨組織間網路專題)	3	2		3
	Multi-Objective Decision-Making (多目標決策)	3	2		3
	Medical Informatics (醫學資訊)	3	1	3	
	Wireless Communications (無線通訊)	3	1	3	
	Quantitative Methods (數量方法)	3	1	3	
	Combinatorial Optimization (組合最佳化)	3	1	3	
	Big Data Processing and Analytical Techniques (大數據處理與分析技術)	3	1	3	
	Data Mining (資料探勘)	3	1	3	
	Healthcare Management Information System (醫療管理資訊系統)	3	1		3
	E-Business (產業E化理論與實務)	3	1		3
	Policies and Management of Information Security (資訊安全政策與管理)	3	1		3
	Social Network Analysis (資訊網絡分析)	3	2	3	
	Special Topic in Decision Analysis (決策分析專題)	3	2	3	
Health Information Management (健康資訊管理)	3	2		3	
Software Engineering (軟體工程)	3	2		3	
Elective Courses in School of Business	Application of Big Data in E Commerce* (大數據應用與電子商務)	3	1	3	
	Business Ethics* (企業倫理)	3	1	3	
	CRM and Business Intelligence* (顧客關係管理與商業智慧)	3	1	3	
	Business Case Study* (管理個案研討)	2	1		2
	Technology Management* (科技管理)	3	1		3
	Digital Marketing* (數位行銷)	3	1		3
	Management Science* (管理科學)	3	1		3
	Applied Statistics* (應用統計)	3	1		3
	Supply Chain Management* (供應鏈管理)	3	1		3
Branding Management in the Digital Age* (數位時代之品牌經營)	3	2	3		
Remarks	1. Graduation credit hours required: 40 (including 6 credit hours for thesis). 2. Required credit hours: 3 credits (not include thesis). 3. Credit hours for elective courses: 31 (at least 22 from the above list). 4. Courses with star sign are conducted in English.				