

Department of Information Management
Chaoyang University of Technology Graduate Course Requirement
(for the students admitted in the 2019 academic year)

Academic Year	First Year						Second Year					
	First Semester			Second Semester			First Semester			Second Semester		
	Subject	Hours	Credit	Subject	Hours	Credit	Subject	Hours	Credit	Subject	Hours	Credit
Required courses	資訊講座 Speeches in Information Technology	1	0	資訊講座 Speeches in Information Technology	1	0						
	資訊管理研究議題 Infomation Management Research Subject	3	3									
	研究方法 Research Methods	3	3									
Special Topics				行動網路研究專題 Special Topics in Mobile Network	2	2	無線網路研究專題 Special Topics in Wireless Network	2	2	知識管理研究專題 Special Topics in knowledge Management	2	2
				智慧型系統研究專題 Special Topics in Intelligent Systems	2	2	決策支援研究專題 Special Topics in Decision Support	2	2	行動多媒體研究專題 Special Topics in Mobile Multimedia	2	2
				多媒體應用研究專題 Special Topics in Multimedia Application	2	2	多媒體安全研究專題 Special Topics in multimedia security	2	2	多媒體資料庫研究專題 Special Topics in Multimedia Databases	2	2
				整合式商務系統研究專題 Special Topics in Integrated Information Systems	2	2	多媒體技術研究專題 Special Topics in multimedia technique	2	2	跨平台商務系統研究專題 Special Topics in Cross-platform Business Systems	2	2
				資訊隱藏技術研究專題 Special Topics in Information Hiding Techniques	2	2	網際網路商務系統研究專題 Special Topics in Web-Based Information Systems	2	2	資料壓縮與應用研究專題 Special Topics in Data Compression and Applications	2	2
Elective courses	高等軟體工程 Advanced Software Engineering	3	3	供應鏈管理 Supply Chain Management	3	3	流程改善方法 Process Improvement Methodologies	3	3	管理心理學 Management Psychology	3	3
	高等電子商務 Advanced Electronic Commerce	3	3	多變量分析 Multivariate Analysis	3	3	企業資源規劃 Enterprise Resources Planning	3	3	軟體品質管理 Software Quality Management	3	3
	知識管理 Knowledge Management	3	3	多準則決策 Multiple Criteria Decision Making	3	3	網路公民素養 Netizen Literacy	3	3			
	協同式數位學習 Collaboration E-Learning	3	3	管理資訊系統 Management Information Systems	3	3						
	企業資訊管理實務 Practices in Business Information Management	3	3	資訊科技管理 Information Science and Technology Management	3	3						
	資訊管理研究專題 Special Topics in Infomation Management	3	3									
	高等演算法 Advanced Algorithm	3	3	密碼學 Cryptography	3	3	資訊隱藏 Information Hiding	3	3	網路安全 Networking Security	3	3
	進階雲端運算 Advanced Cloud Computing	3	3	作業系統 Operating System	3	3	平行計算 Parallel Computing	3	3	數位學習系統 E-Learning Management System	3	3

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	Subject	Hours	Credit	Subject	Hours	Credit	Subject	Hours	Credit	Subject	Hours	Credit
Elective courses	高等電腦網路 Advanced Computer Networks	3	3	人工智慧與機器學習 Artificial Intelligence and Machine Learning	3	3				資訊安全管理 Information Security Management	3	3
	資料探勘 Data Mining	3	3	類神經網路 Neural Networks and Its Applications	3	3				多媒體資料庫 Multimedia Database	3	3
	作業研究 Operations Research	3	3	代理人系統 Agent Systems	3	3				多媒體壓縮技術 Multimedia Compression Technique	3	3
	物聯網與大數據分析 Internet of Things and Big Data Analysis	3	3	物件導向技術 Object Oriented Programming	3	3				產學實務研究 Industry Research Practice	3	3
	高等資料庫系統 Advanced Database System	3	3	企業應用程式開發 Enterprise Application Development	3	3						
	模糊理論與應用 Fuzzy Theory and Application	3	3	資訊科技研究 Information technology in Infomation Management	3	3						
	數位學習發展與趨勢 The Evolution of E-Learning	3	3	資訊融入教學設計 ICT in Teaching Design	3	3						
Elective courses	3D遊戲程式 3D Game Programming	3	3	多人線上遊戲程式設計 Multi-player Online Game Programming	3	3	影像處理 Image Processing	3	3	圖形識別與機器學習 Pattern Recognition and Machine Learning	3	3
		3	3	數位視訊處理 Digital Video Processing	3	3	數位藝術創作 Digital Arts Creative Project	3	3	動畫研究與應用 Animation Research and Application	3	3
Core courses		3 courses 6 credits										
Elective courses		Minimum elective 18 credits										
Total Requirement		30 credits										