

朝陽科技大學資訊學院日間部資訊管理系碩士班課程規劃表

Department of Information Management, Chaoyang University of Technology
(applicable to day division students enrolled in 2024)

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	第一學年 First Year				第二學年 Second Year			
	上學期 First Semester	時數 學分 Hours Credit	下學期 Second Semester	時數 學分 Hours Credit	上學期 First Semester	時數 學分 Hours Credit	下學期 Second Semester	時數 學分 Hours Credit
專業 必修 Required Courses	資訊講座 Speeches in Information Technology	1-1	資訊講座 Speeches in Information Technology	1-1				
	論文寫作 Technical Writing	2-2						
	研究方法論 Research Methodology	1-1						
學分 Hours		4-4		1-1		0-0		0-0
專業 選修 Elective Courses			行動網路研究專題 Special Topics in Mobile Network	2-2	決策支援研究專題 Special Topics in Decision Support	2-2	網路安全研究專題 Special Topics in Network Security	2-2
			資訊安全研究專題 Special Topics in Information Security	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	多媒體安全研究專題 Special Topics in multimedia security	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	多媒體技術研究專題 Special Topics in multimedia technique	2-2	多媒體資料庫研究專題 Special Topics in Multimedia Databases	2-2
			資訊隱藏技術研究專題 Special Topics in Information Hiding Techniques	2-2	資訊保密與安全研究專題 Special Topics in Information Encryption and Security	2-2	跨平台商務系統研究專題 Special Topics in Cross-platform Business Systems	2-2
			整合式商務系統研究專題 Special Topics in Integrated Information Systems	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
	管理類Management							
	高等電子商務 Advanced Electronic Commerce	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

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	高等軟體工程 Advanced Software Engineering	3-3	多準則決策 Multiple Criteria Decision Making	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	多變量分析 Multivariate Analysis	3-3	網路公民素養 Netizen Literacy	3-3		
	協同式數位學習 Collaboration E-Learning	3-3	資訊科技管理 Information Science and Technology Management	3-3				
	企業資訊管理實務 Practices in Business Information Management	3-3	管理資訊系統 Management Information Systems	3-3				
科技類Science and Technology								
	高等演算法 Advanced Algorithm	3-3	人工智慧與機器學習 Artificial Intelligence and Machine Learning	3-3	平行計算 Parallel Computing	3-3	圖形識別與機器學習 Pattern Recognition and Machine Learning	3-3
	資料探勘 Data Mining	3-3	密碼學 Cryptography	3-3	資訊隱藏 Information Hiding	3-3	資訊安全管理 Information Security Management	3-3
	高等電腦網路 Advanced Computer Networks	3-3	代理人系統 Agent Systems	3-3	影像處理 Image Processing	3-3	數位學習系統 E-Learning Management System	3-3
	作業研究 Operations Research	3-3	類神經網路 Neural Networks	3-3	生成式AI原理與應用 Generative AI principles and applications	3-3	多媒體資料庫 Multimedia Database	3-3
	進階雲端運算 Advanced Cloud Computing	3-3	物件導向技術 Object Oriented Programming	3-3			多媒體壓縮技術 Multimedia Compression Technique	3-3
	模糊理論與應用 Fuzzy Theory and Application	3-3	企業應用程式開發 Enterprise Application Development	3-3			產學實務研究 Industry Research Practice	9-9
	高等資料庫系統 Advanced Database System	3-3	資訊融入教學設計 ICT in Teaching Design	3-3				

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	物聯網與大數據分析 Internet of Things and Big Data Analysis	3-3						
	數位學習發展與趨勢 The Evolution of E-Learning	3-3						
	科技類(數位多媒體應用課程)Science and technology (digital multimedia applications)							
	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	動態圖像設計 Motion Graphics Creative Project	3-3	動畫研究與應用 Animation Research and Application	3-3
	3D模型研究與設計 3D model research and design	3-3	3D數位商品開發與行銷 3D digital product development and marketing	3-3	人機介面 Man-Macine Interface	3-3	展示科技 Display Technology	3-3
學分 Hours		48-48		54-54		39-39		48-48
校訂必修 University Requirements		基礎通識及核心通識 Basic General Education Courses And Core General Education Courses						
		通識自由選修 General Education Free Elective Credits						
專業必修 Required Courses		3科目5學分 3 Courses 5 Credits						
專業選修 Elective Courses		最少應選修21學分 Minimum elective 21Credits						
可承認之非本系學分數上限 Recognition limit of credits provided by other		6 學分 6 Credits						

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departments								
最低畢業學分數	38 學分 (含碩士論文6學分)							
Total Requirement	38 Credits (incl. 6 credits on master-degree seeking theses)							

一、全校性規定：學生需修習並通過「學術研究倫理教育」相關課程後，始得申請學位考試。

二、本系之規定：

(一)經指導教授及系主任同意所修習他系之課程，得列為本系之專業選修課程。

(二)本系修習資訊學院其他系所開設之課程列為專業選修。

(三)「研究專題」課程每學期至多得修習 2 學分。

(四)「產學實務研究」為選修 9 學分校外實習課程。

三、可承認之非本系學分數上限包含外系學分、課程規劃中未有之本系課程。

1. University-Wide Regulations: Completing courses related to academic research ethics is a prerequisite for graduate students to apply for their degree examination.

2. Department regulations:

(1) The advisor and the head of the department agree that the course is classified as a professional elective course.

(2) Courses offered by other departments in the College of Informatics can be considered professional elective credits.

(3) Up to 2 credits of the "Research Topics" course can be taken per semester.

(4) "Industry Research Practice" is an optional 9 credit off-campus internship.

3. The department will limit the recognition of credits provided by other departments, including undisclosed courses in the curriculum planning stage.