

Curricular planning for Doctorate-degree program
Department of Information Management, Chaoyang University of Technology
(applicable to day division students enrolled in 2026)

Academic Year	First Year						Second Year					
Semester	First Semester			Second Semester			First Semester			Second Semester		
	Subject	Hours	Credit	Subject	Hours	Credit	Subject	Hours	Credit	Subject	Hours	Credit
Required Courses	資訊管理研究議題 Information Management Research Subject	3	3									
Subtotal		3	3		0	0		0	0		0	0
Elective Courses	研究方法 Research Methods	3	3	高等專題討論(二) Advanced Seminar II	2	2	高等專題討論(三) Advanced Seminar III	2	2	高等專題討論(四) Advanced Seminar IV	2	2
	高等專題討論(一) Advanced Seminar I	2	2									
	Management											
	高等軟體工程 Advanced Software Engineering	3	3	企業資源規劃 Enterprise Resources Planning	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	供應鏈管理 Supply Chain Management	3	3	企業資訊管理實務 Practices in Business Information Management	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						
	資訊管理研究專題 Special Topics in Information Management	3	3	資訊科技管理 Information Science and Technology Management	3	3						
				管理資訊系統 Management Information Systems	3	3						
	Science and Technology											
	資料探勘 Data Mining	3	3	人工智慧與機器學習 Artificial Intelligence and Machine Learning	3	3	影像處理 Image Processing	3	3	網路安全 Networking Security	3	3
	高等演算法 Advanced Algorithm	3	3	類神經網路 Neural Networks	3	3	資訊隱藏 Information Hiding	3	3	圖形識別與機器學習 Pattern Recognition and Machine Learning	3	3
	高等作業研究 Advanced Operations Research	3	3	代理人系統 Agent Systems	3	3	平行計算 Parallel Computing	3	3	數位學習系統 E-Learning Management System	3	3
	進階雲端運算 Advanced Cloud Computing	3	3	物件導向技術 Object Oriented Programming	3	3	生成式AI原理與應用 Generative AI principles and applications	3	3	資訊安全管理 Information Security Management	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				多媒體資料庫 Multimedia Database	3	3
	模糊理論與應用 Fuzzy Theory and Application	3	3	資訊融入教學設計 ICT in Teaching Design	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	資訊科技研究 Information technology in Information Management	3	3						
	數位學習發展與趨勢 The Evolution of E-Learning	3	3	企業資訊整合書報討論 Enterprise Information Integration Literature	2	2						
	智慧系統書報討論 Intelligent Systems Literature	2	2	互動多媒體書報討論 Interactive Multimedia Literature	2	2						
	知識管理與AI書報討論 Knowledge Management and AI Literature	2	2									
Subtotal		45	45		42	42		20	20		26	26
University Requirements												
Required Courses				1 Courses 3 Credits								
Elective Courses				Minimum elective 17Credits								
Recognition limit of credits provided by other departments				6 Credits								

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Total Requirement				32 Credits (incl. 6 credits on doctorate-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)「研究方法」為必修課程。

(二)「高等專題討論」課程每學期至多得修習 2學分。

(三)經指導教授及所長同意所修習他所之課程，得列為本所之專業選修課程。

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) "Research Methods" is required courses.

(2) The "Advanced Seminar" course can be taken for up to 2 credits per semester.

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

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