

115學年度國際人工智慧管理研究所課程流程圖

115 Academic Year Curriculum Flowchart

International Graduate School of Artificial Intelligence (IAI)

	第一學年First Academic Year		第二學年Second Academic Year	
	第一學期 First Semester	第二學期 Second Semester	第一學期 First Semester	第二學期 Second Semester
必修 Compulsory 16	人工智慧 Artificial Intelligence 3-0-3	深度學習 Deep Learning 3-0-3	碩士論文 Thesis 3-0-3	碩士論文 Thesis 3-0-3
	科技論文閱讀與寫作 Technical Reading and Writing 2-0-2	書報討論(I) Seminar (I) 0-2-1	書報討論(II) Seminar (II) 0-2-1	
選修 Elective 15	資料探勘 Data Mining 3-0-3	機器學習 Machine Learning 3-0-3	人工智慧財務金融應用 Artificial Intelligence in Finance 3-0-3	人機互動 Human-Computer Interaction 3-0-3
	高等資料結構與演算法 Advanced Data Structures and algorithms 3-0-3	最佳化理論與應用 Optimization Theory and Applications 3-0-3	人工智慧資訊安全應用 Artificial Intelligence in Computer Security 3-0-3	物聯網應用 Applications of Internet of Things 3-0-3
	決策分析 Decision Analysis 3-0-3	分散式計算 Distributed Computing 3-0-3	人工智慧醫療應用 Artificial Intelligence in Medicine 3-0-3	專題研討(二) Graduate Seminar (II) 3-0-3
	人工智慧之問題解決 Problem solving in AI 3-0-3	人工智慧之數學基礎 Mathematics for Artificial Intelligence 3-0-3	專題研討(一) Graduate Seminar (I) 3-0-3	無人機與自駕車專題 Special Topics in Unmanned Aerial Vehicles and Autonomous Vehicles 3-0-3
	數位影像處理 Digital Image Processing 3-0-3	自然語言處理 Natural Language Processing 3-0-3	高等電腦視覺 Advanced Computer Vision 3-0-3	人工智慧的軟體開發 Software Development for Artificial Intelligence 3-0-3
		數據分析與機器學習 Data Analytics and Machine Learning 3-0-3	機器人學 Robotics 3-0-3	大數據分析 Big Data Analysis 3-0-3

備註 Notes :

1. 本所承認外系研究所課程相同或相近且以英文授課之課程學分，其餘英文授課之外系課程以六學分為限。

IAI department admits the credits of all the courses with the same or similar titles with IAI's from other departments. Otherwise, other courses from other departments are admitted for 6 credits at most. The admitted courses must be taught in English.

2. 碩士班英語畢業門檻為新多益 (NEW TOEIC) 測驗成績 700 分以上或其他具同等效力之英語、第二外語成績證明。

Postgraduates need to reach one of the requirements for English ability before graduation: (1) TOEIC score of 700 or above, (2) equivalent to CEFR B2 or above, (3) Second foreign language can be an alternative to English.