112學年度國際人工智慧管理研究所課程流程圖
112 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 18**	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	人工智慧書報討論(I) Seminar in Artificial Intelligence (I) 2-0-2	人工智慧書報討論(II) Seminar in Artificial Intelligence (II) 2-0-2	
選修 **Elective 15**	理論與應用領域 **Theory and Application Field**			
	資料探勘 Data Mining 3-0-3	機器學習 Machine Learning 3-0-3	人工智慧於財務金融 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	人工智慧於資訊安全 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	人工智慧於醫療 Artificial Intelligence in Medicine 3-0-3	專題研討(一) Graduate Seminar(I) 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(II) 3-0-3
	電腦視覺領域 **Computer Vision Field**			
	數位影像處理 Digital Image Processing 3-0-3		高等電腦視覺 Advanced Computer Vision 3-0-3	
	自然語言領域 **Natural Language Field**			
		自然語言處理 Natural Language Processing 3-0-3		
	機器人領域 **Robotic Field**			
			機器人學 Robotics 3-0-3	無人機與自駕車專題 Special Topics in Unmanned Aerial Vehicles and Autonomous Vehicles 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.

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