Asia University (亞洲大學)

2022 Academic Curriculum Program for International Doctoral Students
(111 學年度博士班國際生全英語課程規劃表)

Approved by the University Curriculum Committee on 21/04/2022

學程名稱(中文)：人工智慧博士學位學程（國際博士學生）
學程名稱(英文)：Ph. D. Program in Artificial Intelligence (International Doctoral Students)

Category	Course Title(中,英文)	Year of the program	Semester	Credits	Note
University Required Credits（6）	Ph.D. Dissertation 博士論文	2nd	1st & 2nd	3	Total 6 credits
Program Required Credits(3) and Compulsory Credits（6）	Seminar (I) 專題講座（一）	1st	1st	1	At least take 3 credits
	Seminar (II) 專題講座（二）	1st	2nd	1	
	Seminar (III) 專題講座（三）	2nd	1st	1	
	Artificial Intelligence 人工智慧	1st / 2nd	2nd	3	At least take 2 Compulsory Courses for Qualifying Examinations
Program of Elective Credits（15）	Data Science 資料科學	1st	1st	3	
	Machine Learning 機器學習	1st	1st	3	
	Algorithms 演算法	1st	2nd	3	
	Deep Learning 深度學習	1st / 2nd	1st / 2nd	3	
	Data Mining 資料探勘	1st / 2nd	1st / 2nd	3	
	Big Data Management 大數據資料處理	1st / 2nd	1st / 2nd	3	
	Speech Recognition 語音辨識	1st / 2nd	1st / 2nd	3	
	Computer Vision 電腦視覺	1st / 2nd	1st / 2nd	3	
	Image Processing 影像處理	1st / 2nd	1st / 2nd	3	
	Natural Language Processing 自然語言處理	1st / 2nd	1st / 2nd	3	
	Fuzzy Theory 模糊理論	1st / 2nd	1st / 2nd	3	

	Precision Medicine 精準醫療	1st / 2nd	1st / 2nd	3	
	Blockchain Technology and Its Application 區塊鏈技術與應用	1st / 2nd	1st / 2nd	3	
	Artificial Intelligence & Internet of Things (AIoT) 智慧物聯網 (AIoT)	1st / 2nd	1st / 2nd	3	
	Cloud Computing Practices 雲端運算實務	1st / 2nd	1st / 2nd	3	
	Robotic Computing 機器人計算學	1st / 2nd	1st / 2nd	3	

Note(註):

❖ The 4 compulsory courses for qualification examinations are Artificial Intelligence, Data Science, Machine Learning, and Algorithms, which the students must at least select 2 compulsory courses for qualification examinations.(資格考選考科目包含「人工智慧」、「資料科學」、「機器學習」、「演算法」，博士生應通過 2 科資格考試)。

❖ Graduation requirement: 27 credits including 6 credits of thesis, 6 credits of Required Courses and 15 credits of Elective Courses. (總畢業學分數為 27 學分，含校定必修 6 學分（博士論文），學程必修 6 學分，學程選修 15 學分。)

❖ Students need to take 6 hours of designated courses through the online platform of the "Taiwan Academic Ethics Education Resource Center" and pass the general test scores before they can apply for degree exams. (依「亞洲大學學生學術研究倫理教育課程實施要點」109 學年度（含）起入學之各系、所、學位學程的碩士班、碩士在職專班及博士班學制，【學生需透過「臺灣學術倫理教育資源中心」線上平台修習指定課程 6 小時，並於課程總測驗成績達及格標準，始得申請學位考試。】)

系所主管簽章:　　　　　　　　學院院長簽章:　　　　　　　　國際學院院長簽章: