

元智大學資訊傳播學系「智慧科技應用」探索跨域微學程 科目規劃表

Department of Information Communication

Yuan Ze University

“Intelligent Technology” Cross-Domain Exploration Micro Program Course Planning Table

(115學年度申請適用)

(For students applied in Academic Year 2026)

115.04.29 一一四學年度第七次教務會議通過

Passed by the 7th Academic Affairs Meeting, Academic Year 2025, on April 29, 2026

115.08.25 一一五學年度第一次教務會議修訂通過

Amended by the 1st Academic Affairs Meeting, Academic Year 2026, on August 25, 2026

一、教學目標 Teaching Objectives：

近年來，數位科技與智慧互動系統快速發展，程式能力與人機互動素養已成為資訊傳播領域的重要基礎。本課程設計以資料結構與人機互動為核心，結合理論與實作訓練，強化學生在系統開發人機互動設計上的整合能力，並透過跨域選修課程拓展科學素養與跨領域應用視野，培養具備技術實力與創新思維之資訊與互動系統專業人才。

In recent years, digital technologies and intelligent interactive systems have rapidly evolved, making programming competence and human-computer interaction literacy fundamental in the field of information communication. This curriculum is structured around core courses in data structures, and human-computer interaction, integrating both theoretical foundations and hands-on practice to strengthen students' abilities in system development and HCI design. Through interdisciplinary elective courses, the program further broadens students' scientific knowledge and cross-domain perspectives, cultivating professionals equipped with strong technical expertise and innovative thinking in information and interactive system development.

二、課程設計 Curriculum Design：

核心課程：3學分

Core Courses: 3 credits

課號 Course ID	課程名稱 Course Name	學分 Credit(s)	學制 Degree structure	開課系所 Department Offered the Present Course(s)	備註 Remarks
IC172	資料結構 Data Structure	3	大學部 Undergraduate Program	資傳系 Department of Information Communication	
IC291	人機互動概論 Introduction of Human Computer Interaction	3	大學部 Undergraduate Program	資傳系 Department of Information Communication	

專業課程：5學分

Professional Courses: 5 credits

課號 Course ID	課程名稱 Course Name	學分 Credit(s)	學制 Degree structure	開課系所 Department Offered the Present Course(s)	備註 Remarks
IC400	Python程式設計 Python Programming	3	大學部 Undergraduate Program	資傳系 Department of Information Communication	
IC387	人工智慧概論 Introduction to Artificial Intelligence	3	大學部 Undergraduate Program	資傳系 Department of Information Communication	
IC298	資訊隱私 Information Privacy	3	大學部 Undergraduate Program	資傳系 Department of Information Communication	
IC420	機器學習概論 Introduction to Machine Learning	3	大學部 Undergraduate Program	資傳系 Department of Information Communication	
IC196	混合實境 Mixed Reality	3	大學部 Undergraduate Program	資傳系 Department of Information Communication	
GN432	AI創意設計思考 Design Thinking with AI	2	大學部 Undergraduate Program	通識教學部 General Education Center	通識及探索 跨域課程限 擇一門 (十一擇一) General Education and Cross-Domain Exploration Courses (Choose only one of the eleven courses)
GN430	基礎雲端運算與實務 Fundamental Cloud Computing and Practic	2	大學部 Undergraduate Program	通識教學部 General Education Center	
EXA101	基礎機器人入門 Introduction to Basic Robotics	1	大學部 Undergraduate Program	機械系 Department of Mechanical Engineering	
EXB101	生成式AI與跨域創新 實作 Generative AI & Cross-Domain Innovation	1	大學部 Undergraduate Program	電機系甲組 Department of Electrical Engineering (Program A)	
EXB201	探索智慧機器人：設計、模擬與實作 Exploring Intelligent Robots: Design, Simulation, and Practice	1	大學部 Undergraduate Program	電機系乙組 Department of Electrical Engineering (Program B)	
EXB401	智慧型機器人導論 Introduction to Artificial Intelligence in Robotics	1	大學部 Undergraduate Program	電通英專 International Bachelor Program in Electrical and Communication Engineering	
EXC401	計算機概論	1	大學部	資訊英專	

課號 Course ID	課程名稱 Course Name	學分 Credit(s)	學制 Degree structure	開課系所 Department Offered the Present Course(s)	備註 Remarks
	Introduction to Computer Science		Undergraduate Program	International Bachelor Program in Informatics	
EXZ004	未來互動設計：機器與人之間 Future Interaction Design: Between Machines and Humans	1	大學部 Undergraduate Program	藝術中心 Art Center	
EXZ005	數位構築設計：實虛空間想像 Digital Fabrication Design: Physical and Virtual Space	1	大學部 Undergraduate Program	藝術中心 Art Center	
EXZ006	人工智慧實務（一） Practical Artificial Intelligence(I)	1	大學部 Undergraduate Program	人工智慧跨域創新應用中心 Innovation Center for Artificial Intelligence Applications	
EXZ007	人工智慧實務（二） Practical Artificial Intelligence(II)	1	大學部 Undergraduate Program	人工智慧跨域創新應用中心 Innovation Center for Artificial Intelligence Applications	

三、學程證書授予標準 Certificate Award Criteria：

1. 本學程修業總學分數至少為8學分。學生應修畢核心課程3學分及專業課程5學分。
 2. 須至少修習一門非學生所屬學系之科目。
 3. 修習跨領域學程內之通識課程，不得重複計入通識教育課程10學分，亦不得列入畢業學分。
1. The Program requires a minimum of 8 credits for completion. Students shall complete core courses 3 credits and professional courses 5 credits.
 2. Students are required to take at least one course outside their own department.
 3. General education courses taken within an interdisciplinary program may not be counted toward the 10-credit general education requirement, nor may they be applied toward graduation credits.

四、領域別 Fields of Study：

人工智慧 / Artificial Intelligence

五、學程召集人 Program Director：

陳昱錡 / Yu-Chi Chen

六、負責規劃單位 Responsible Planning Unit：

資訊傳播學系 / Department of Information Communication