

114 學年度 AI 駕馭賦能微學程課程規劃書

2025 Proposal of Micro Program for AI Empowerment and Application

一、學程概述與目標：Description and Goal of Micro Program

AI 駕馭賦能微學程微學程概述：

隨著人工智能（AI）技術的快速發展，AI 已廣泛滲透至教育、產業與日常生活各層面。近年來，生成式 AI 與大型語言模型（LLM）等工具不僅改變了知識生產與溝通的方式，也對人文學科帶來嶄新挑戰與機遇。在此浪潮下，人文背景的學生如何有效駕馭 AI、善用 AI 工具來增進跨領域對話、提升學習成效與批判思考能力，成為高等教育的重要課題。

國際間如加州大學爾灣分校（UC Irvine）等人文學院，已積極推動 AI 與人文教育的整合，強調必須以人本價值與批判思維為基礎，發展具備倫理意識、能與 AI 協作的跨域人才。同時，AI 在教學現場的應用已證實能提升課堂對話的成效、促進學生參與與個別化學習。因此，本微學程以「駕馭 AI」為核心，協助非程式背景的學生學會運用 AI 工具，並深化對 AI 倫理、社會影響與實踐應用的理解。

學習目標：

- 培養學生設計思考與 AI 協作能力，能運用 AI 輔助問題解決與知識創新。
- 增進學生對 AI 倫理、偏見與社會影響的理解，強化人文關懷與責任感。
- 指導學生熟練運用 AI 工具提升學習成效、促進跨領域對話與溝通。
- 透過總整課程邀請學界與業界專家，拓展學生對 AI 應用的多元視野，連結理論與實務。

本微學程聚焦於 AI 於人文及跨領域場域的應用，強調「會用、善用、懂思辨」的能力養成。課程不以程式設計為主，而是引導學生掌握 AI 工具於學術、職場與溝通情境中的實際應用，並培養對 AI 倫理、偏誤及社會責任的敏感度。透過跨領域學習與專家經驗分享，學生將能以更宏觀的視野駕馭 AI，成為具備批判思維與創新能力的現代公民。

Micro Program for AI Empowerment and Application

With the rapid advancement of artificial intelligence (AI) technologies, AI has become deeply integrated into education, industry, and daily life. In recent years, generative AI and large language models (LLMs) have not only transformed the ways in which knowledge is produced and communication occurs, but have also brought new challenges and opportunities to the humanities. In this context, a key issue in higher education is how students with a humanities background can effectively harness AI, utilize AI tools to enhance interdisciplinary dialogue, improve learning outcomes, and strengthen critical thinking skills.

Internationally, institutions such as the School of Humanities at the University of California, Irvine, have actively promoted the integration of AI and the humanities, emphasizing the development of cross-disciplinary talent grounded in human values and critical thinking, with a strong sense of ethics and the ability to collaborate with AI. At the same time, the application of AI in educational settings has been shown to enhance classroom dialogue, foster student engagement, and support personalized learning. Therefore, this micro-program centers on “AI Empowerment,” aiming to help students without a programming background learn to use AI tools, while deepening their understanding of AI ethics, societal impact, and practical applications.

Learning Objectives:

- Cultivate students’ abilities in design thinking and AI collaboration, enabling them to leverage AI for problem-solving and knowledge innovation.
- Enhance students’ understanding of AI ethics, bias, and social impact, thereby strengthening their sense of humanistic care and responsibility.
- Guide students to proficiently use AI tools to improve learning effectiveness and promote interdisciplinary dialogue and communication.
- Through a capstone course featuring experts from academia and industry, broaden students’ perspectives on AI applications and connect theoretical knowledge with practical experience.

This micro-program focuses on the application of AI in the humanities and interdisciplinary fields, emphasizing the development of competencies in “using, mastering, and critically reflecting on” AI. The curriculum does not center on programming, but instead guides students to apply AI tools in academic, professional, and communicative contexts, while fostering sensitivity to AI ethics, bias, and social responsibility. Through interdisciplinary learning and sharing of expert experiences, students will be empowered to navigate AI with a broader perspective, becoming modern citizens equipped with critical thinking and innovative capabilities.

二、 學程科目表 Curriculum of Micro Program

AI 駕馭賦能微學程 Micro Program for AI Empowerment and Application ☒ 探索型 Exploratory ☐ 精進型 Advanced ☐ 實作型 Practice							
類別 Category	科目名稱 Courses	學分 Credits		預計開課 學年 Year	開課系所 Dept.	系所共授 課程 (勾選) involving Several Dept.	備註 Remarks
		上學期 Fall	下學期 Spring				
選修課程 Elective Course	設計思考導引方法與 AI 創新實驗課－情境篇	2		114/115	社永中心		
	推測設計 X 人與 AI 共創想像	2		114/115	博雅書苑 Y	V	
	人工智能倫理學		2	114/115	博雅書苑 Y		
	設計思考導引方法與 AI 協作實驗課		2	114/115	社永中心		
	人文 AI Seminar		1	114/115	應藝所	V	
	AI 未來學：樂觀、審慎與治理		2	115	社永中心	V	
	公關策略與媒體企劃	2		114/115	傳播與科技學系		
	人工智慧與高科技之商業運用	2		114/115	科技管理研究所		
	人類與人工智能互動		2	114/115	管理學院		
	自主智能系統實作工作坊		1	115	人學中心		
總整課程 Capstone Course	AI 應用與實踐：以校園為場域		2	115	人學中心		
選讀說明 Description	本學程需涵蓋至少 8 學分：選修課程 6 學分及總整課程 2 學分。						
完修總學分 Credit Requirements		8					

※ 本表於 114 學年度起適用。

The curriculum is applicable from the academic year 2024.