

課程資訊 (Course Information)					
科號 Course Number	11410CS 560500	學分 Credit	2	人數限制 Class Size	45
中文名稱 Course Title	人工智慧倫理、法律與社會				
英文名稱 Course English Title	AI Ethics, Law and Society				
任課教師 Instructor	賴尚宏(LAI, SHANG-HONG) 李怡俐(LEE, YI-LI) 林勤富(LIN, CHING-FU) 郭昱廷(YU-TING KUO) more information				
上課時間 Time	F3F4	上課教室 Room	DELTA台達108		

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此科目對應之系所課程規畫所欲培養之核心能力 Core capability to be cultivated by this course	■ 具有活用資訊、數學及科學知識的能力。 (10%) To have the ability to apply knowledge of computer science, mathematics, and science to daily life. (10%)
	■ 具有創新及批判性思考，能發現、定義、及解決問題的能力。 (10%) To be able to think creatively and critically as well as discover, define, and solve problems. (10%)
	■ 具有分析、設計、開發、整合、測試、與評估資訊系統、元件、或演算法的能力。 (10%) To be able to analyze, design, develop, integrate, test, and evaluate systems, components, and algorithms of computer science. (10%)
	■ 具備良好的溝通技巧與跨領域團隊合作的能力。 (10%) To have good communication skills and be able to cooperate with others in interdisciplinary teams. (10%)
	■ 具備檢索文獻、閱讀論文、與撰寫論文的能力。 (10%) To be able to search literatures, read and write academic papers. (10%)
	■ 具有策劃及執行研究計畫、撰寫研究報告及簡報研究成果的能力。 (10%) To be able to plan and execute research projects, write research reports, and present research results. (10%)
	■ 能分析評估與資訊相關之產業脈動與最新的資訊科技進展。 (10%) To be able to analyze and evaluate the most recent technological and industrial advancements regarding computer science. (10%)
	■ 瞭解資訊科技對於全球性社會、經濟、文化等層面的影響與責任。 (10%) To understand the social, economical, cultural effects of computer science and related technologies on the global level. (10%)
	■ 瞭解國際視野及終身學習的重要性。 (10%) To understand the importance of international view as well as lifelong education. (10%)
	■ 尊重學術、工程倫理、及智慧財產權。 (10%) To respect academics, engineering ethics, and intellectual property. (10%)

課程簡述 (Brief course description)

This AI Ethics, Laws, and Society class aims to provide an introduction of various topics of AI Ethics to help establish a foundation for the students to better understand the importance, design/principles, technology, policy/regulation/governance, implementation, and impact of all aspects of AI ethics. We will discuss these topics from the perspectives of Privacy, Safety, Fairness, Equality, Robustness, Accountability, Explanability, Human dignity, Human rights, Democracy, etc. We will also introduce various use cases and scenarios of challenges in AI ethics (e.g., surveillance, recruitment, autonomous driving, finance, etc.).

課程大綱 (Syllabus)

Course keywords:

AI, Machine Learning, Deep Learning, AI Ethics, AI Privacy, AI Safety, AI Fairness, AI Equality, AI Explanability, Democrazy, Responsible AI, Explainable AI, AI governance, AI laws, AI regulation

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