

「實務專題」(選修) 暨 「營建工程整合設計實務」(台巴科大必修) 課程公告

Course Announcement - Special Projects & Integrated Design Practice for Civil Engineering

Update: 2023/12/06 更新

※若已與本系教師面談完成但未列入以下專題題目，請直接填妥同意函交回即可

※若有其他有興趣的研究主題，請先與老師聯繫後再約時間面談

※You are encouraged to contact professors to discuss your research directions and submit the agreement letter back to us directly.

※UPTP students please turn to the final page.

實務專題 Special Projects (NON-UPTP students only)

※本系各教師指導實務專題包含 (但不限於) 以下主題：

教授姓名	研究方向	所需專題 生人數	備註
呂守陞	職災與綠建築資料彙整與統計分析 Study of data analysis of occupational accidents and green building	4	
洪嫦闡	後疫情時代都市經濟體之永續指標或企業之 ESG 指標的轉變及落實 Transformation of urban economies or enterprises in the post-epidemic era, demonstrated by sustainability indicators and/or ESG indicators	1	
盧之偉	土壤液化之研究 A research on soil liquefaction	4	
葉馥瑄	比較不同影像分析方法於室內試驗之動態量測 Evaluation of different digital image methods on dynamic measurement in laboratory tests	1	
	透過空間調整技術探討振動台試體受震引致噴砂之體積量化 Spatial adjustment technique for volume assessment of sand boils in shaking table testing	1	
	透過光彈法測定不同排列組合下顆粒間傳力鏈的變化 A photo-elastic technique to identify changes in the force transmission chain between particles	1	

教授姓名	研究方向	所需專題 生人數	備註
許丁友	影像量測用於層間變位量測技術實作	3	
陳沛清	衝擊阻尼器之參數設計與實驗驗證 Numerical simulation and experimental validation on seismic response of SDOF system with an impact damper	2	
	樓板減振方法之分析與探討 Investigation on mitigation methods of floor vibrations in buildings	2	
蕭博謙	鋼梁腹開孔可行性與補強工法研究 Research on the Feasibility and Reinforcement Methods of Steel Beams with Web Opening	2	
許士昱	人工智慧識別建築平面圖 Pattern Recognition of Architectural Floor Plans using AI	1	
陳君弢	自癒膠結材開發	1	
	混凝土儲能研究	1	
	以 AI 辨識粒料性質	1	
廖敏志	公路工程氣候調適策略 Climate Change Adaption for Highways	3	
陳奕竹	「防災與全人教育」之遊戲化教材設計	2	

Integrated Design Practice for Civil Engineering 營建工程整合設計實務 (UPTP students only)

※Research Direction including, but not limited to these topics below:

Professor's Name	Research Direction	Number of Students Required	Remarks
Chih-Wei Lu	Extreme climate induced slope stability and other problems in Paraguay	4	
Fu-Hsuan Yeh	A photo-elastic technique to identify changes in the force transmission chain between particles	1	
Po-Chien Hsiao	Research on the Feasibility and Reinforcement Methods of Steel Beams with Web Opening	3	
Pei-Ching Chen	Overview of seismic retrofit methods for existing RC Buildings	2	Interview is required
Shi-Yu Xu	Pattern Recognition of Architectural Floor Plans using AI	1	Python language is required in this research project.
Chin-Huai Young	Net Zero Energy Buildings	8	The students who have learned and familiar to the software of PV-sol in the on-line course of Engineering Materials in May to June 2022 in my on-line course of your second year in Paraguay. Please interview me at the E2-601-4 room at any time. Please contact me with Line ID: hisg168 before the interview. Welcome to our research group. Please check our research on the web site. www.hisg.com.tw This on line teaching may recall your memory in 2022 https://www.youtube.com/watch?v=nB96rdT8UcQ
Min-Chih Liao	Climate Change Adaption for Highways	3	