## 中華大學 土木工程學系 114 學年度碩士在職專班課程規劃表 In Service Master Program in Department of Civil Engineering For 2025

114.03.10 113 學年度第 2 學期第 1 次系課規會議討論通過 Enacted at the 1st Department Curriculum Committee of academic year 113, on March 10, 2025. 114.04.14 113 學年度第 2 學期第 1 次院課規會議審議通過 Approved at the 2st College Curriculum Committee of academic year 113, on April 14, 2025.

114.06.11 113 學年度第 2 次臨時校課規會議審議通過

Approved at the 2nd Temp	porary University	V Curriculum Comr	nittee academic year	113, on June 11, 2025.
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	Approved at the 2nd remporary University Curriculum Committee academic year 113, on suite 11, 2025					
選別 Term	時序 Timing 領域 field	上學期課程 First Semester	下學期課程 Second Semester	備註 Remark		
必修 課程 Required	共同 Common	書報討論(0) Seminar	書報討論(0) Seminar	四下一以1万司		
		論文指導與研究(0) Thesis Seminar	論文指導與研究(0) Thesis Seminar	限碩二以上修習 Restricted to Master. 2 or above		
選修 課程 Professional Elective Course	永續 Sustainable	工程技術史(3) History of Engineering Technology	永續工程專題(3) Seminar on Sustainable Engineering			
			綠色產業與技術(3) Green Industry and Technology			
	結構 Structure	非破壞性檢測科技(3) Non-Destructive Testing Technology	鋼結構原理與設計(3) Theory and Design of Steel Structure			
		房屋建築結構設計特論(3) Special Topics on Structural Design of House Architecture	結構安全分析與設計(3) Analysis and Design of Structural Safety			
		有限元素法(3) Finite Element Method	地震工程(3) Earthquke Engineering			
	大地 Geotechnical	大地工程與實務(3) Geotechnical Engineering and Practice	高等土壤力學(3) Advanced Soil Mechanics			
		地下水模式分析(3) Analytical Groundwater Modeling	邊坡穩定分析(3) Slope Stability Analysis			

選別 Term	時序 Timing 領域 field	上學期課程 First Semester	下學期課程 Second Semester	備註 Remark
選修 課程 Professional Elective Course	管理 Management	營建規劃與時程管理(3) Construction Planning and Schedule Management AI 與數據分析(3) Introduction to AI and Data Analysis	施工品質管制探討(3) Construction Quality Management : Cases Study 專案管理(3) Project Management	
	工程實務	地下化交通建設工程設計與施工實務(3) The Design and Construction of Major Transportation Projects by the Underground Methods 鐵路車站設計與施工實務(3) The Railway Stations Design and Cases	高架化交通建設工程設計與施工實務(3) The Design and Construction of Major Transportation Projects by The Elevated Methods  橋樑施工與檢測(3) Bridge Construction and Inspection	
	Engineering Practice	Study 營造安全衛生管理(3) The Safety and Health Management of Construction 營建工程實務探討(3) Construction Project Management: Cases	隧道工程與實務(3) Tunnel Engineering and Practice 建築資訊模型應用(3) Implementation of Building Information	
	·小計 Subtotal	Study 36	Modeling 39	

## 備註(Remark):

- 1. 畢業學分 24 學分(Graduation requirement: 24 Credits)。
- 2.至少需修習兩學期之「書報討論」及兩學期之「論文指導與研究」。並至「台灣學術倫理教育資源中心」網站完成線上課程且通過測驗取得修課證明後始符合畢業資格(Graduate student need to take 2 semesters of Seminar, and at least 2 semesters of Thesis Seminar. And required to take the specific on-line thesis course on the website of Research Ethics in Education (http://ethics.nctu.edu.tw) and pass the exam and get a certificate)。
- 3..其餘相關規定詳見「土木工程學系碩士班學生修業辦法」(Please refer to the Study Regulations for the Master's Program of the Department)。
- 4.以上資料以當學期開課狀況為主(The number of courses offered each academic year will be adjusted according to the actual approved standards)。