

中華大學 土木工程學系 112 學年度博士班課程規劃表
 Doctoral Program in Department of Civil Engineering For 2023

111.12.01 111 學年度第 1 學期第 2 次系課規會議討論通過
 Enacted at the 2nd Department Curriculum Committee of academic year 111, on December 01, 2022.
 112.06.07 111 學年度第 2 學期第 2 次建築學院課規會議審議通過
 Approved at the 2nd College Curriculum Committee of academic year 111, on June 07, 2023.
 112.06.14 111 學年度第 4 次校課規會議審議通過
 Approved at the 4th University Curriculum Committee academic year 111, on 14 June, 2023.

選別 Term	時序 Timing	上學期課程 First Semester	下學期課程 Second Semester	備註 Remark
	領域 field			
必修 課程 Required Courses	共同 Common	書報討論(0) Seminar	書報討論(0) Seminar	
		論文指導與研究(0) Thesis Seminar	論文指導與研究(0) Thesis Seminar	限博三以上修習 Restricted to Ph.D. 3 or above
選修 課程 Professional Elective Course	永續 Sustainable	當代工程技術史特論(3) Special Essay on the History of Contemporary Engineering Technology	永續工程發展特論(3) Special Topics on Sustainable Engineering Development	
			綠產業與綠建築(3) Green Industry and Green Building	
	結構 Structure	非破壞性檢測科技特論(3) Special topics on Non-Destructive Testing Technology	鋼結構原理與設計特論(3) Theory and Practical Design of Steel Structure	
		建築結構設計特論(3) Special Topics on Structural Design of Building	結構安全分析與設計專論(3) Special Topics of Analysis and Design of Structural Safety	
		結構動力分析(3) Analysis of Structural Dynamics	地震工程(3) Earthquake Engineering	
	大地 Geotechnical	大地工程災害與防治(3) Geotechnical Disasters and Prevention	高等土壤力學特論(3) Special Topics on Advanced Soil Mechanics	
地下水模式分析特論(3) Special Topics on Analytical Groundwater Modeling		邊坡穩定分析與整治(3) Slope Stability Analysis and Mitigation		

選別 Term	時序 Timing	上學期課程 First Semester	下學期課程 Second Semester	備註 Remark
	領域 field			
選修 課程 Professional Elective Course	管理 Management	營建規劃與時程管理特論(3) Special Topics on Construction Planning and Schedule Management	施工品質管制專論(3) Construction Quality Management : Problem Solving Skills	
		資料分析處理(3) Data Analysis	專案管理特論(3) Advanced Project Management	
	工程 實務 Engineering Practice	營建工程安全衛生實務(3) The Safety and Health Management of Construction Practices	隧道與地下空間科技(3) Tunneling and Underground Space Technology	
		鐵路車站設計與施工實務 The Railway Stations Design and Cases Study	建築資訊模型應用開發(3) App Development for BIM Application	
	通用課程 General courses	專業英文之閱讀與寫作(3) English Reading and Writing in Profession		
學分小計 Credit Subtotal		33	33	

備註(Remark)：

1. 畢業學分 24 學分(Graduation requirement : 24 Credits)。
2. 畢業前至少需修習四學期之「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 4 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. 如為符合外國語文能力而修習之「專業英文之閱讀與寫作」課程，不計入畢業 24 學分中(Courses such as "English Reading and Writing in Profession" taken to meet foreign language proficiency will not be counted towards the 24 credits for graduation)。
4. 其餘相關規定詳見「土木工程學系博士班學生修業辦法」(Please refer to the Study Regulations for the Doctoral Program of the Department)。
5. 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)。