中華大學 土木工程學系 111 學年度博士班課程規劃表

Doctoral Program in Department of Civil Engineering For 2022

111.04.01 110 學年度第 2 學期第 3 次系課規會議討論通過 Enacted at the 3rd Department Curriculum Committee of academic year 110, on April 01, 2022.
111.08.23 111 學年度第 1 學期第 1 次建築學院課規會議審議通過 Approved at the 1st College Curriculum Committee of academic year 111, on Auguest 08, 2022.
112.05.03 111 學年度第 3 次校級課程規劃委員會議通過

Approved at the 3rd University Curriculum Committee academic year 111, on 03 May, 2023.

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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 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 建築結構設計特論(3) Special Topics on Structural Design of Building 結構動力分析(3) Analysis of Structural Dynamics	鋼結構原理與設計特論(3) Theory and Practical Design of Steel Structure 結構安全分析與設計專論(3) Special Topics of Analysis and Design of Structural Safety 地震工程(3) Earthquke Engineering	
	大地 Geotechnical	大地工程災害與防治(3) Geotechnical Disasters and Prevention 地下水模式分析特論(3) Special Topics on Analytical Groundwater Modeling	高等土壤力學特論(3) Special Topics on Advanced Soil Mechanics 邊坡穩定分析與整治(3) Slope Stability Analysis and Mitigation	

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