107-113學年度系所課程地圖 Academic Years 2018-2024 Department Curriculum Map

	系所概要 Department							
系所名稱 Department Name	環境工程學系(Department of Environmental Engineering)							
班別 Division	博士班(Doctoral Program)							

	教育目標 Education Goals							
編號 Number	項目內容 Content							
	培育學生的科學基礎、環工專業知識、全球永續發展觀念及終生學習能力。(Cultivate students' scientific foundation, professional knowledge in environmental engineering, global sustainable development concepts, and lifelong learning abilities.)							
В	培養學生具有研發創新、工程實務及系統整合之基本能力。(Develop students' fundamental capabilities in research and innovation, engineering practices, and system integration.)							
С	培養學生具有合群敬業之態度、服務社會之熱忱及環境保護之使命感。(Foster students' attitude toward collaboration and dedication, enthusiasm for serving society, and a sense of purpose for environmental protection.)							

	學生核心能力 Student Core Competencies	
編號 Number	項目內容 Content	對應教育目標編號 Corresponding Education Goal Number
Α	環境工程的專業知識。(Expertise in environmental engineering.)	А
В	策劃及執行環境工程專題研究的能力。(Ability to plan and execute research on environmental engineering topics.)	А
С	撰寫環境工程專業論文的能力。(Ability to write professional papers in environmental engineering.)	А
D	創新思考及獨立解決問題的能力。(Innovative thinking and independent problem-solving skills.)	BC
Е	與不同領域人員協調整合的能力。(Ability to coordinate and integrate with people from different fields.)	BC
F	良好的國際觀。(Good international outlook.)	A
G	領導、管理及規劃的能力。(Ability to lead, manage and plan.)	ABC
Н	終身自我學習成長的能力。(Ability to grow through lifelong self-learning.)	С

※附註 Note:

1.各条所所屬之班別·含學士班、碩士班、博士班等·請分別填寫。1. Complete the map separately for each division, including Bachelor's, Master's, and Doctoral program

2.教育目標及核心能力之代號皆以英文字母大寫為主。2. Codes for Education Goals and Core Competencies must be in uppercase English alphabet letters.

3.可依不同班(組)別填寫教育目標及核心能力。3. Education Goals and Core Competencies can be specific to the division in question.

承辦人簽章:	規劃單位主管簽章:	年	月	日
Signature of Responsible Person:	Head of Planning Division:	Date:		

<u>環境工程</u>學系Department of Environmental Engineering ■博士班 Doctoral Program 課程規畫表 Curriculum Plan

中文課程名稱 Course Title in Chinese	英文課程名稱 Course Title in English	規劃要點 (附註) Plans (Notes)				對應核心能力編號 Corresponding Education Goal	建議修課年級 Recommended Course Division	開課單位 Course Offering Unit	備註 Remarks	
Office		1	2	3	4	Number	Course Division			
院核心課程(若無免填,請加註必修、選修) College Core Courses (not required if none, otherwise please indicate Required Courses and Elective Courses)										
必修課程 Requi	rod Courses									
必修麻住 Kequi	Seminar in		I				I		I	
環工專題討論三	Environmental Engineering (III)	D	С	Y	0	BCEG	博3 (PhD Year 3)	環工(Environmental Engineering)		
博士論文	Dissertation	D	С	Y	12	BCEFGH	博3 (PhD Year 3)	環工(Environmental Engineering)		

※附註:規劃要點填表說明:(1到4各欄位請填正確代表字母)

Note: Instructions for completing this form are provided below (please provide the correct English alphabet letters in fields 1 to 4)

- 1: U-學士課程、M-碩士課程、D-博士課程。1: U-Bachelor's program, M-Master's program, D-Doctoral program.
- 2:A-正課、B-實習課、C-台下指導之科目如學生講述或邀請演講之專題討論、專題研究……等。2: A-Lecture, B-Internship, C-Subjects with private guidance such as student presentations or invited speeches, topic discussions, topic research, etc.
 - 3: S-學期課、Y-學年課。3: S-Semester course, Y-Year-long course.
 - 4:科目(全期或全年)總學分數(請填阿拉伯數字)。4: Total course (full-semester or full-year) credits (in Arabic numerals).

承辦人簽章:	規劃單位主管簽章:	年	月	H
Signature of Responsible Person:	Head of Planning Division:		Date:	

<u>環境工程</u>學系Department of Environmental Engineering ■博士班 Doctoral Program 課程規畫表 Curriculum Plan

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		1	2	3	4	Number			
選修課程 Elective	Courses								
環境水化學原理及應 用	Principles and Applications of Environmental Aqueous Chemistry	D	Α	S	3	ABCDFH	博1(PhD Year 1)	環工(Environmental Engineering)	
水環境中的有機污染 物	Fate of Organic Pollutants in Aquatic Environments	D	Α	S	3	ABCDFGH	博1(PhD Year 1)	環工(Environmental Engineering)	

※附註:規劃要點填表說明:(1到4各欄位請填正確代表字母)

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承辦人簽章:	規劃單位主管簽章:	年	月	日
Signature of Responsible Person:	Head of Planning Division:		Date:	