114學年度水資源及環境工程學系課程規畫表(114學年度入學新生適用) Department of Water Resources and Environmental Engineering Curriculum Planning Chart for 114 academic year (2025-2026) incoming freshmen

科目名稱 /subjects		學分 credits	第1學年 1st academic year		第2學年 2nd academic year		第3學年 3rd academic year		第4學年 4th academic year		備註 Remarks	
				外國語文學門(Q) Foreign Languagae (Field Q)	8	2	2	2	2			
基本知能課程12學分 12 credits for general education curriculum	中國語文能力表達 ABILITY OF EXPRESSING IN SPOKEN AND WRITTEN CHINESE	2									語文表達 ABILITY OF EXPRESSING 學習與發展學門(N) Learning And Development (Field N) 課外活動與團隊發展 Extracuricular Activities and Team-Ship Development (Field	
	大學學習 LEARNING IN UNIVERSITY	1	1									
	社團學習與實作(K) LEARNING AND PRACTICE OF CLUBS	1		1								
通識核心課程12學分 12 credits for General Education Curriculum	人工智慧導論 INTRODUCTION TO ARTIFICIAL INTELLIGENCE	1	1									
	探索永續 Exploring Sustainabiltiy	1	1									
	文學經典學門(L) Classics In World Literature (Field L)	2									Tredits in the Social Sciences field. 科學領域 至少2學分 At least 2 credits in the Science field.	每學門至多修習2 科4學分 Students may take up to 2 courses (4 credits) in each academic field.
	歷史與文化學門(P) History And Culture (Field P)	2										
	哲學與宗教學門(V) Philosophy and Religion (Field V) 藝術欣賞與創作學門(M)	2										
	Arts Appreciation and Invention (Field M)	2										
	全球視野學門(T) Global Outlook (Field T)	2										
	未來學學門® Futures Studies (Field R)	2										
	社會分析學門(W) Social Analysis (Field W)	2										
	公民社曾及麥與学门(S) Civil Society And Participation (Field	2										
	資訊教育學門(O) Information & Computer Education (Field O) *商管學院學生請另詢所屬學系 Students of the College of Business Management, please consult your respective departments.	2										
	全球科技革命學門(Z) Global Technology Revolution (Field Z)	2										
	自然科學學門(U) Natural Sciences (Field U)	2										
LL M. Am de	體育 Physical Education 王氏國阴教育畢事訓練(一丁-國	4	1	1	1	1					不計人畢業學分 Not counted toward graduation credits. 1年級;單學期0學分 First-year; zero credits in a single semester.	
其他課程 other subjects	防科技 ALL-OUT DEFENSE EDUCATION MILITARY TRAINING(I)- NATIONAL DEFENSE	0										
校園與社區服務學習 CAMPUS AND COMMUNITY SERVICE-LEARNING		2	1	1							不計入畢業學分 Not counted toward graduation credits.	
■本系必修課程:58學分 Required Courses:58 credits	普通物理 GENERAL PHYSICS	2	2									
	微積分 CALCULUS	3	3									
	環境化學 ENVIRONMENTAL CHEMISTRY	3	3									
	小貝源及環現上性限調 INTRORODUCTION TO WATER RESOURCES AND ENVIRONMENTAL	2	2									
	基礎工程數學 BASIC ENGINEERING MATHEMATICS	3		3								
	水文學 HYDROLOGY	3		3								
	應用力學 APPLIED MECHANICS	3		3								
	水質實驗 WATER QUALITY ANALYSIS	1		1							實驗課程 Laboratory	course

114學年度水資源及環境工程學系課程規畫表(114學年度人學新生適用) Department of Water Resources and Environmental Engineering Curriculum Planning Chart for 114 academic year (2025-2026) incoming freshmen

科目名稱 /subjects		學分 credits	第1學年		第2學年		第3學年		第4學年		備註 Remarks	
			1st academic year		2nd academic year 上 下		3rd academic year 上 下		4th academic year			
			上 1st semester	下 2nd semester	1st semester	2nd semester	1st semester	2nd semester	上 1st semester	7 2nd semester		
	工程數學 ENGINEERING MATHEMATICS	6			3	3						
	流體力學(一)	3			3							
	FLUID MECHANICS(I) 工程統計	3			3							
	ENGINEERING STATISTICS 流體力學(二)				,	2						
	FLUID MECHANICS(II) 工程圖學	3				3						
	ENGINEERING GRAPHICS	2				2						
	給水工程 WATER SUPPLY ENGINEERING	3				3						
	明渠水力學 HYDRAULICS AND OPEN CHANNELS	3					3					
	污水工程 WASTEWATER ENGINEERING	3					3					
	土壤力學 SOIL MECHANICS	3					3					
	流體力學實驗 FLUID MECHANICS LAB.	1					1				實驗課程 Laboratory	course
	數值方法 NUMERICAL METHOD	3						3				
	水資源工程 WATER-RESOURCES ENGINEERING	3						3				
	專題實作 PRACTICE OF PROJECTS	2						2				
本系系選修課程:至少須修 16學分以上。		2	2									
Department Elective Courses: A		2	2									
	工程材料學	2	2									
附註: 系選修課程之開設科目,將	ENGINEERING MATERIALS 程式設計	2		2								
依據本校規定可開課學分數 開課。不是每個科目都會開	PROGRAM DESIGN 環境微生物學	3		3								
課。	ENVIRONMENTAL MICROBIOLOGY	3		3								
Note: The elective courses offered by the department will be arranged	環境永續概論 INTRODUCTION TO ENVIRONMENTAL SUSTAINABILITY	2		2								
based on the number of credits permitted under the university's	材料力學	3			3							
perinted under the university's regulations. Not all listed courses will necessarily be offered.	STRENGTH OF MATERIALS 水文測量與實習 PRACTICE & SURVEY OF	2			2							
	HYDROLOGY 塚児工壌学 ENVIRONMENTAL SOIL	2			2							
	環境毒物學	2			2							
	ENVIRONMENTAL TOXICOLOGY										實驗課程	
	環境污染物分析(一) ENVIRONMENTAL ANALYSIS(I)	1			1					ļ	貝級迷任 Laboratory	course
	中等水文學 INTERMEDIATE HYDROLOGY	3				3						
	結構學 STRUCTURAL THEORY	2				2						
	環境生物技術概論 INTRODUCTION TO	_										
	ENVIRONMENTAL BIOTECHNOLOGY	2				2						
	循環經濟 CIRCULAR ECONOMY	2				2						
	水利工程應用軟體 HYDRAULIC MODELING	2					2					
	SOFTWARES 鋼筋混凝土 REINFORCED CONCRETE	3					3					
	固體廢棄物 SOLID WASTES TREATMENT	3					3					
	環境儀器分析 ENVIRONMENTAL INSTRUMENTAL ANALYSIS	2					2					
	環境污染物分析(二) ENVIRONMENTAL ANALYSIS(II)	1					1				實驗課程 Laboratory	course
	水資源規劃 WATER RESOURCES PLANNING	3						3				

114學年度水資源及環境工程學系課程規畫表(114學年度入學新生適用) Department of Water Resources and Environmental Engineering Curriculum Planning Chart for 114 academic year (2025-2026) incoming freshmen

第1學年 第2學年 第4學年 備註 Remarks 1st academic year 2nd academic year 3rd academic year 4th academic year 壆分 科目名稱 /subjects credits 2nd 基礎工程 3 3 FOUNDATION ENGINEERING 2 2 FLOOD ENGINEERING 渠道水力學實驗 實驗課程 OPEN CHANNEL HYDRAULICS 1 1 aboratory course EXPERIMENTS 空氣污染控制 AIR POLLUTION CONTROL 有害廢棄物 2 2 HAZARDOUS WASTE 資源回收再利用 RESOURCE RECOVERY AND 2 2 REUSE 灌溉及排水工程 2 2 IRRIGATION AND DRAINAGE ENGINEERING 環境規劃與管理 ENVIRONMENTAL PLANNING 3 3 AND MANAGEMENT 環工專業實務設計 PRACTICAL DESIGN IN ENVIRONMENTAL ENGINEERING FIELD 污水工程設計 WASTEWATER ENGINEERING 2 2 地理資訊在工程上之應用 2 2 GIS AND ITS ENGINEERING APPLICATION 地下水及土壤污染 GROUNDWATER AND SOIL POLLUTION 2 2 PRACTICUM IN EDUCATIONAL TECHNOLOGY 海岸工程 3 3 COASTAL ENGINEERING 水土保持工程 SOIL AND WATER 2 RESERVATION ENGINEERING SOIL AND WATER RESERVATION ENGINEERING 2 2

2

(1)必修科目總學分數:82學分(含通識教育課程24學分)

(1)Total Credits for Required Courses: 82 credits (including 24 credits in General Education courses)

NOISE AND VIBRATION

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(2)最低應修本系選修科目總學分數:16學分

(2)Minimum Credits Required for Departmental Elective Courses:16 credits

(3)其他選修總學分數:30學分

(3)Minimum Number of Credits Required for Other Elective Courses: 30 credits

畢業總學分數:128學分

Total Number of Credits Required for Graduation: 128 credits