## 114 學年度系所課程地圖 Department Curriculum Map for Academic Year(s) 114

	系所概要 Department
系所名稱 Department Name	土木工程學系 Department of Civil Engineering
班別 Program	國際專班 International Program

	教育目標 Education Goals												
編號 Number 項目內容 Content													
	Α	培育兼顧理論與實務能力之土木工程及科技人才。 To train students to have theoretical and practical capabilities in civil engineering and technology											
	В	培養學生具備團隊合作、國際視野與工程倫理之認知與能力。 To cultivate students with team-work competence, global vision and engineering ethics											
		強化防災與永續工程教育。 To enhance education in hazard mitigation and sustainable engineering											

	學生核心能力 Student Core Competenci	es
編號 Number	項目內容 Content	對應教育目標編號 Corresponding Education Goal Number
А	土木工程計算、分析與設計能力。 Capability in computation and analysis for civil engineering theory	А
В	土木工程實務之分析、評估、設計、執行能力。 Capability in analysis, evaluation, design, and implementation for civil engineering practices	A · C
С	計畫管理、溝通、團隊合作、問題處理能力。 Capability in project management, communication, team work, and problem-solving	В
D	認識時事議題、瞭解土木工程人員之社會責任、重視工程與資訊倫理及培養持續學習之精神。 Acknowledgements in contemporary issues, societal responsibilities, engineering and information ethics, and continuing learning as civil engineers	B · C
E	結構工程、水利工程、大地工程、測量資訊、營建管理、土木防災、永 續工程之專業知識 Professional knowledge in structural engineering, hydraulic engineering, geotechnical engineering, geomatics, construction management, hazard mitigation, and sustainable engineering	A · B
F	策劃、執行專題研究及撰寫專業論文之能力 Capability in the initiation and fulfillment of research proposals and writing professional theses	B · C

## ※附註 Note:

- 1. 各系所所屬之班別·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.
  - 例如:資管學士班需填寫表二及表三;資管碩士班也須填寫表二及表三。For example, Forms 2 and 3 must be completed for Bachelor's program in Management Information Systems, and also for Master's program in for Bachelor's program in Management Information Systems.
- 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.

## 土木工程學系 Department of Civil Engineering ■國際專班 International Program 課程規畫表 Curriculum Plan

1						<u> </u>									
中文課程名稱 Course Title in Chinese	英文課程名稱 Course Title in English			i (附 Note	es)	對應核心能力編號 Corresponding Education Goal Number	建議修課年級 Recommended Year of Study	開課單位 Course Offering Unit	備註 Remarks						
院核	院核心課程(若無免填,請加註必修、選修) College Core Courses														
(not required	(not required if none, otherwise please indicate Required Courses and Elective Courses)														
	必修誤	程	R	leq	ui	red Course	S								
碩士論文	Thesis	М	С	Υ	6	EF		土木系 Department Of Civil Engineering							
土木工程特論	Introduction to Advanced Civil Engineering	М	Α	S	3	DE		土木系 Department Of Civil Engineering							
企業實習	Civil Engineering Practice-Intern	М	В	Υ	6	ABCDEF		土木系 Department Of Civil Engineering							
		<u> </u>	<u> </u>	<u> </u>											

※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).

## 土木工程學系 Department of Civil Engineering ■國際專班 International Program 課程規畫表 Curriculum Plan

中文課程名稱	英文課程名稱			店(附	-	對應核心能力編號 Corresponding	建議修課年級	開課單位	/#±+ D
Course Title in Chinese	Course Title in English	1	2	3	4	Education Goal Number	Recommended Year of Study	Course Offering Unit	備註 Remarks
	選修記	果程	<b>₽</b>	Ele	cti	ve Courses	5		
彈性力學	Theory of Elasticity	М	Α	S	3	ABDEF		土木系 Department Of Civil Engineering	
高等結構學	Advanced Structural Analysis	М	А	S	3	ABE		土木系 Department Of Civil Engineering	
地震工程分析	Earthquake Engineering Analysis	М	А	S	3	ABCDEF		土木系 Department Of Civil Engineering	
板殼力學	Theory of Plates and Shells	М	Α	S	3			土木系 Department Of Civil Engineering	
鋼筋混凝土構件行 為學	Behavior of Reinforced Concrete Members	М	Α	S	3	ABDE		土木系 Department Of Civil Engineering	
結構動力數值方法	Numerical Procedures for Structural Dynamics	М	Α	S	3	ABEF		土木系 Department Of Civil Engineering	原動力數值分析 107 改名 Numerical Procedures for Structural Dynamics 107 renamed
海中結構物之行為 分析	Behavior and Analysis of Offshore Structures	М	Α	S	3	ABDEF		土木系 Department Of Civil Engineering	
鋼結構行為學	Behavior of Steel Structures	М	Α	S	3	ABCDEF		土木系 Department Of Civil Engineering	
結構分析理論	Computer-Assisted Structural Analysis and Modeling	М	Α	S	3	ABCDEF		土木系 Department Of Civil Engineering	
工程材料特論	Special Topics on Engineering Material	М	Α	S	3	ABDEF		土木系 Department Of Civil Engineering	
機率在結構工程上之應用	Probability Approach to Structural Engineering	М	Α	S	3	ABDEF		土木系 Department Of Civil Engineering	
結構可靠度分析	Analysis of Structural Reliability	М	Α	S	3	ABDEF		土木系 Department Of Civil Engineering	
高等預力混凝土	Advanced Prestressed Concrete	М	Α	S	3	ABDE		土木系 Department Of Civil Engineering	
高等鋼筋混凝土設	Advanced Reinforced	М	Α	S	3	ABDE		土木系 Department	

中文課程名稱 Course Title in	英文課程名稱			站(附 (Not		對應核心能力編號 Corresponding	建議修課年級 Recommended	開課單位 Course	備註 Remarks
Chinese	Course Title in English	1	2	3	4	Education Goal Number	Year of Study	Offering Unit	角柱 Remarks
計	Concrete Design							Of Civil Engineering	
	Dainfaura di inha Wainha							土木系	
鋼筋輕質混凝土	Reinforced Light Weight Concrete	М	Α	S	3	ABDEF		Department Of Civil	
	Concrete							Engineering	
<b>左阳</b> 一事汁	Finite Flourent Mathematical	М	Α	S	3	ABE		土木系 Department	
有限元素法	Finite Element Method	IVI	А	3	3	ADE		Of Civil Engineering	
								土木系	
結構分析與設計	Structural Analysis and	М	Α	S	3	ABCDEF		Department Of Civil	
	Design							Engineering	
								土木系 Department	
計算力學	Computational Mechanics	М	Α	S	3			Of Civil	
								Engineering 土木系	
  耐震設計	Earthquake Resistant	М	Α	S	3	ABCDE		Department	
	Design	171	^	٥	٦	ABCDL		Of Civil Engineering	
								土木系	
】 散漫振動	Random Vibration	М	Α	S	3	ABEF		Department	
13012300213								Of Civil Engineering	
								土木系	
高等鋼結構	Advanced Steel Structures	М	Α	S	3	ABCDEF		Department Of Civil	
								Engineering	
								土木系 Department	
能量方法	Energy Method	М	Α	S	3	ABE		Of Civil	
								Engineering 土木系	
 再生混凝土	Recycled Concrete	N /	Α	c	3	ABDEF		Department	
<u> </u>	Recycled Concrete	171	^	3	٥	ABDLE		Of Civil Engineering	
								Engineening	原混凝土非破壞
 非破壞檢測與結構	Nondestructive Testing							土木系	檢測 1072 改名
健康監測	and Structural Health	М	Α	S	3	ABE		Department Of Civil	Nondestructive Testing of
	Monitoring							Engineering	Concrete
								 土木系	1072 renamed
 結構動力學	Structural Dynamics	М	Α	S	3	ABEF		Department	
	J. acta. a. Dynamico			_				Of Civil Engineering	
	Cofoty I pays laws and add are							土木系	
營建安全	Safety Implementation in Construction	М	Α	S	3	ABE		Department Of Civil	
	CONSTRUCTION							Engineering	
 結構隔震及消能設	Structural Base Isolation							土木系	
計	and Energy Dissipation	М	Α	S	3	ABCDE		Department Of Civil	
	Design							Engineering 土木系	
古笙 <b>法</b> 鵬	Advanced Fluid	М	Α	S	3	AE		工小系 Department	
高等流體力學(一)	Mechanics(I)	IVI	A	د ا	)	AE		Of Civil	
								Engineering 土木系	
 高等流體力學(二)	Advanced Fluid	М	Α	S	3	AE		Department	
	Mechanics(II)		`					Of Civil Engineering	
 水資源系統分析(一)	Analysis of Water	М	Α	S	3	ABCDEF		土木系	

中文課程名稱 Course Title in	英文課程名稱		訓要黑 ans (			對應核心能力編號 Corresponding	建議修課年級 Recommended	開課單位 Course	備註 Remarks
Course little in Chinese	Course Title in English	1	2	3	4	Education Goal	Year of Study	Offering Unit	角社 Kemarks
		1	_	٦	7	Number		Department	
	Resources System (1)							Of Civil	
								Engineering	
	Analysis of Water							土木系	
水資源系統分析(二)	Resources System ( II )	М	Α	S	3	ABCDEF		Department Of Civil	
	Resources System ( II )							Engineering	
								土木系	
水工設計	Design of Hydraulic	М	Α	S	3	ABEF		Department	
	Structures							Of Civil Engineering	
								土木系	
高等明渠水力學	Advanced Open Channel	М	Α	S	3	ABE		Department	
同寺明宗小刀字	Advanced Open Channel	IVI	^	٥	٥	ADL		Of Civil	
								Engineering	
				_				土木系 Department	
應用統計學	Applied Statistics	М	Α	S	3	ABEF		Of Civil	
								Engineering	
<b>大阳二事</b> 无法赠书	Finite Flowant Mathed for							土木系	
	Finite Element Method for	М	Α	S	3	ABCDEF		Department	
學之應用	Fluid Mechanics							Of Civil Engineering	
								土木系	
地理資訊系統	Geographic Information	М	Α	S	3	ABDEF		Department	
心在其叫尔沁	System	171				ADDLI		Of Civil	
								Engineering 土木系	
>← .   .   .   .   .   .   .   .   .   .								上小糸 Department	
海岸水力學	Coastal Hydrodynamics	М	Α	S	3	ABCDEF		Of Civil	
								Engineering	
	  Rainfall-Runoff Simulation							土木系	
水文模式(一)		М	Α	S	3	ABDEF		Department Of Civil	
	Models(I)							Engineering	
								土木系	
邊界層理論	Incompressible Boundary	М	Α	S	3	AE		Department	
	Layer Theory		, ,					Of Civil	
								Engineering 土木系	
١٣٠٠÷٨ ١٠ +٢ ++•٨ ١ ١	Special Topics on Runoff	N 4	_	_	_	ADDEC		Department	
逕流分析特論(一)	Analysis(I)	М	Α	S	3	ABDEF		Of Civil	
	, .,							Engineering	
								土木系	
河口水力學	Estuary Hydraulics	М	Α	S	3	ABCDEF		Department Of Civil	
								Engineering	
								土木系	
高等流體力學實驗	Advanced Fluid Mechanics	М	ΑВ	S	3	ABEF		Department	
	Lab							Of Civil Engineering	
								土木系	
紊流理論	Theory of Turbulance	М	Α	S	3	AE		Department	
<b>永川圩</b> 빼	Theory of Turbulence	IVI	^	د ا	ر	\\\\		Of Civil	
								Engineering	
±4 = 1 1 5~	Mechanics of Sediment		_	_				土木系 Department	
輸砂力學	Transport	М	Α	S	3	ABE		Of Civil	
								Engineering	
								土木系	
隨機數據分析	Random Data Analysis	М	Α	S	3	ABCDE		Department Of Civil	
	,							Engineering	
	Computational Fluid			_	_			土木系	
計算流體力學(一)	Dynamics (I)	М	Α	S	3	AE		工小糸 Department	
	pyriairiics (i)			<u> </u>	<u> </u>			- spartment	1

中文課程名稱 Course Title in	英文課程名稱			店(附 (Not	-	對應核心能力編號 Corresponding	建議修課年級 Recommended	開課單位 Course	備註 Remarks
Chinese	Course Title in English	1	2	3	4	Education Goal Number	Year of Study	Offering Unit	角柱 Remarks
								Of Civil Engineering	
計算流體力學(二)	Computational Fluid Dynamics (II)	М	А	S	3	AE		土木系 Department Of Civil Engineering	
局部沖刷特論	Special Topics on Local Scour	М	А	S	3	ABEF		土木系 Department Of Civil Engineering	
海岸工程特論	Special Topics on Coastal Engineering	М	А	S	3	ABCDEF		土木系 Department Of Civil Engineering	
橋樑水力學	Bridge Hydraulics	М	А	S	3	ABCDEF		土木系 Department Of Civil	
應用工程日文	Applied of Engineering Japanese	М	А	S	3	BDEF		Engineering 土木系 Department Of Civil	
水文循環變遷特論 (一)	Special Topics on Hydrologic Cycle Changing(I)	М	А	S	3	ABDEF		Engineering 土木系 Department Of Civil Engineering	
逕流分析特論(二)	Special Topics on Runoff Analysis(II)	М	Α	S	3	ABDEF		土木系 Department Of Civil Engineering	
水文循環變遷特論	Special Topics on Hydrologic Cycle Changing(II)	М	Α	S	3	ABDEF		土木系 Department Of Civil Engineering	
生態環境施工法	Environment-friendly Engineering Methods	М	Α	S	3	BCDEF		土木系 Department Of Civil Engineering	
海岸環境與保護工 程	Coastal Environment and Protection Engineering	М	Α	S	3	ABCDEF		土木系 Department Of Civil Engineering	
現場監測	Field Monitoring Techniques	М	Α	S	3	ABCDEF		土木系 Department Of Civil Engineering	
高等基礎工程	Advanced Foundation Engineering	М	А	S	3	ABE		土木系 Department Of Civil Engineering	
土壤質流學	Soil Rheology	М	А	S	3	ABCDEF		土木系 Department Of Civil Engineering	
高等應用土壤力學	Advanced Applied Soil Mechanics	М	А	S	3	ABCEF		土木系 Department Of Civil Engineering	
電子計算機在大地 工程上之應用	Computer Application in Geotechnical Engineering	М	Α	S	3	ABCDEF		土木系 Department Of Civil Engineering	
坡地工程特論	Special Topics on Slopeland Engineering	М	Α	S	3	ABCDEF		土木系 Department Of Civil	

中文課程名稱 Course Title in	英文課程名稱		訓要黑 ans (	-	-	對應核心能力編號 Corresponding	建議修課年級 Recommended	開課單位 Course	備註 Remarks
Chinese	Course Title in English	1	2	3	4	Education Goal Number	Year of Study	Offering Unit	角丘 Remarks
								Engineering	
								土木系	
土壤動力學	Soil Dynamics	М	Α	S	3	ABCDEF		Department Of Civil	
								Engineering	
	Boundary Element							土木系	
邊界元素法	Method	М	Α	S	3	ABCDEF		Department Of Civil	
								Engineering	
<b>喜饮工和此版</b> 簡	Advanced Engineering	N 4	_	_	,	ADCDEE		土木系 Department	
高等工程地質學	Geology	М	Α	S	3	ABCDEF		Of Civil	
								Engineering 土木系	
  地下水與滲流	Groundwater and Seepage	М	Α	S	3	ABCDEF		Department	
地下小兴冷加	Groundwater and Seepage	171	^	3	٦	ABCDLI		Of Civil	
								Engineering 土木系	
  高等岩石力學	Advanced Rock Mechanics	М	Α	S	3	ABCEF		Department	
	Navaricea Rock Wicerianies		, ,			, 15 621		Of Civil Engineering	
								土木系	
路面工程特論	Special Topics on	М	Α	S	3	ABE		Department Of Civil	
	Pavement Design							Engineering	
高等土壤力學	Advanced Soil Mechanics	М	А	S	3	ABCDEF		土木系 Department Of Civil Engineering	原高等土壤力學 與實習(一)1081 改名並改 3 學分 Advanced Soil Mechanics: with Lab Practice(I) 108-1 renamed Credits=3
高等土壤力學與實	Advanced Soil	N 4	AB	_	_	A D.C.E		土木系 Department	
習(二)	Mechanics: with Lab	IVI	AB	3	4	ABCE		Of Civil	
	Practice(II)							Engineering 土木系	
影像處理	Image Processing	М	Α	S	3	ABCEF		Department	
示/ 水/処/土	image r rocessing	141	, ,			ABCLI		Of Civil Engineering	
								土木系	
營建工程專案管理	Construction Project	М	Α	S	3	BF		Department	
	Management							Of Civil Engineering	
								土木系	
GPS 衛星定位測量	GPS Satellite Surveying	М	Α	S	3	ABEF		Department Of Civil	
								Engineering	
								土木系	
製圖學	Cartography	М	Α	S	3	ABCEF		Department Of Civil	
								Engineering	
A. (+ 13 - 12)				_	_	4505-		土木系 Department	
數值攝影測量	Digital Photogrammetry	М	Α	S	3	ABCEF		Of Civil	
	Information Cost							Engineering 土木系	
     営建管理資訊系統	Information System for Construction	М	Α	S	3	BF		Department	
呂廷旨堪貝矶系統	Management	IVI	^	ی	ر	DF		Of Civil	
								Engineering 土木系	
都市決策支援系統	Urban Decision Support Systems	М	Α	S	3	ABDEF		Department	
	Systems							Of Civil	

中文課程名稱 Course Title in	英文課程名稱			店(附 (Not	討註) es)	對應核心能力編號 Corresponding	建議修課年級	開課單位 Course	備註 Remarks
Chinese	Course Title in English	1	2	3	4	Education Goal Number	Recommended Year of Study	Offering Unit	角柱 Remarks
								<u>Engineering</u>	
								土木系	
解析航空測量學	Analytical	М	Α	S	3	ABE		Department	
	Photogrammetry							Of Civil Engineering	
								土木系	
衛星大地測量	Satellite Godesy	М	Α	S	3	ABEF		Department	
								Of Civil Engineering	
W 7+ /- W +0 +1 /h +6	Design and Management							土木系	
營建作業設計與管	of Construction	М	Α	S	3	BE		Department	
理	Operations							Of Civil Engineering	
	•							土木系	
  高等測量平差法(一)	Advanced Data	М	Α	S	3	ABEF		Department	
3 M = 1 A / A ( )	Adjustment (I)							Of Civil Engineering	
								土木系	
 高等測量平差法(二)	Advanced Data	М	Α	S	3	ABEF		Department	
问寸测量(左/仏(二)	Adjustment (II)	141	′ `			, ADEI		Of Civil	
								Engineering 土木系	
遙測學 遙測學	Remote Sensing	М	Α	S	3	ABDEF		Department	
连 <i>则字</i>	Remote sensing	171	^	٦		ADDLI		Of Civil	
								Engineering 土木系	
應力波動之原理及	Theory and Application of	М	Α	S	3	ABE		エバホ Department	
應用	Stress Waves	IVI	A	3	3	ABE		Of Civil	
								Engineering 土木系	
1至 1公 ≐□ → 1	D : (D:1 C: )	N 4	,	_	2	ADCDE		工小尔 Department	
橋樑設計	Design of Bridge Structure	М	Α	S	3	ABCDE		Of Civil	
	6							Engineering 土木系	
	Geotechnical Earthquake	N 4	,	_	2	ADCDEE		工小糸 Department	
大地地震工程	Engineering	М	Α	S	3	ABCDEF		Of Civil	
								Engineering	
集水區水文數值模	Numerical Simulation in		١.			ABGEE		土木系 Department	
擬	Watershed Scale	М	Α	S	3	ABCEF		Óf Civil	
	Hydrology							Engineering	
								土木系 Department	
高等水文學		М	Α	S	3	ABE		Of Civil	
	Advanced Hydrology							Engineering	
\;\;\;\;\;\;\;\;\;\;\;\;\;\;\;\;\;\;\;	Deep Foundation		١.			400055		土木系 Department	
深基礎工程	Engineering	М	Α	S	3	ABCDEF		Of Civil	
								Engineering	
	Theoretical Soil Mechanics			_				土木系 Department	
理論土壤力學		М	Α	S	3	ABDE		Of Civil	
								Engineering	
	Advanced Structural	l <u>.</u> .						土木系 Department	
高等結構動力學	Dynamics	М	Α	S	3			Of Civil	
	,							Engineering	
 高等教育教學實務	Teaching Practice in				_			土木系 Department	
(-)	Higher Education (I)	М	С	S	0	ABCDE		Of Civil	
,				<u> </u>				Engineering	
 高等教育教學實務	Teaching Practice in							土木系 Department	
( <u>_</u> )	Higher Education (II)	М	С	S	0	ABCDE		Of Civil	
(—)								Engineering	

中文課程名稱 Course Title in	英文課程名稱			占(所 Note		對應核心能力編號 Corresponding	建議修課年級	開課單位 Course	備註 Remarks
Chinese	Course Title in English	1	2	3	4	Education Goal Number	Recommended Year of Study	Offering Unit	角柱 Remarks
瀝青材料	Bituminous Materials	М	Α	S	3	ABCD		土木系 Department Of Civil Engineering	
高等混凝土	Advanced Concrete	М	Α	S	3	BCDEF		土木系 Department Of Civil Engineering	
混凝土特論	Special study on Concrete	М	Α	S	3	BCDEF		土木系 Department Of Civil Engineering	
結構振動控制	Structural Vibration Control	М	Α	S	3	ABCDEF		土木系 Department Of Civil Engineering	原博士班課程 106 改為 碩士班課程 106 Doctor changes to Master's Program
物理系統數值模擬	Numerical Modeling of Physical Systems in Civil Engineering	М	Α	S	3	ABEF		土木系 Department Of Civil Engineering	110 新開課程 110 new course
水文模式(二)	Rainfall-Runoff Simulation Models (II)	М	Α	S	3	ABDEF		土木系 Department Of Civil Engineering	110 新開課程 110 new course
特殊用途構造特論	Advanced topics on special-purpose structures	М	Α	S	3	ABCDEF		土木系 Department Of Civil Engineering	111 新開課程 111 new course
智慧物聯網結構健 康監測	AloT structural health monitoring	М	Α	S	3	ABE		土木系 Department Of Civil Engineering	111 新開課程 111 new course
空間結構設計	Design of Spatial Structures	М	Α	S	3	ABCD		土木系 Department Of Civil Engineering	111 新開課程 111 new course
構造混凝土與材料 特論	Advanced topics on Structural Concrete and Materials	М	Α	S	3	ABCDEF		土木系 Department Of Civil Engineering	111 新開課程 111 new course
訊號處理與線性系 統分析	Signal Processing and Linear System Analysis	М	Α	S	3	ABCEF		土木系 Department Of Civil Engineering	111 新開課程 111 new course
非線性結構分析	Advanced topics on nonlinear behavior and plasticity	М	Α	S	3	ABCDEF		土木系 Department Of Civil Engineering	112 新開課程 112 new course
進階結構動力分析	Advanced topics on structural dynamic analysis	М	Α	S	3	ABCDEF		土木系 Department Of Civil Engineering	112 新開課程 112 new course
水文分析與設計	Hydrological Analysis and Design	М	Α	S	3	ABCDEF		士木系 Department Of Civil Engineering	原水資源系統分析(一) 107-1 改名 Analysis of Water Resources System(I) 107-1 renamed
工程專案管理與實 務	Theory and Practice in Construction Project	М	Α	S	3	BF		土木系 Department Of Civil	原營建工程專案 管理 106 改名 Construction Project

中文課程名稱 Course Title in	英文課程名稱		見劃要點 (附註 Plans (Notes)			對應核心能力編號 Corresponding	建議修課年級 Recommended	開課單位 Course	備註 Remarks
Chinese	Course Title in English	1	2	3	4	Education Goal Number	Year of Study	Offering Unit	海丘 Nemarks
	Management							Engineering	Management 106 renamed
	Climate Change and Disaster Risk Assessment	М	Α	S	3	ACDEF		土木系 Department Of Civil Engineering	108-1 新開課程 108-1 new course
灌溉與排水	Irrigation and drainage	М	Α	S	З	ABCE		土木系 Department Of Civil Engineering	108-1 新開課程 108-1 new course
河川水力學	River Hydraulics	М	Α	S	3	ABEF		土木系 Department Of Civil Engineering	110-1 新開課程 110-1 new course

※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).