系所課程地圖 Department Curriculum Map

系所概要 Department								
系所名稱 Department Name	水土保持學系 The Department of Soil and Water Conservation							
班別 Division	博士班 Doctoral Program							

教育目標 Education Goals								
編號 Number	項目內容 Content							
1	提升水土保持學術素養及科技應用。 英文:Enhancing academic literacy and technological applications in soil and water conservation.							
2	培養水土災害防災之綜整能力。 英文:Dveloping integration capabilities for soil and water disaster prevention.							
3	培養水土保持理論與技術創新之能力。 英文:Developing the ability to innovate in soil and water conservation theory and technology.							
4	強化跨領域學術整合與技術應用。 英文:Strengthening interdisciplinary academic integration and technological applications.							
5	養成國際學術交流之能力。 英文:Fostering the ability for international academic exchange.							
I								

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								
A	水土災害機制與防治之綜合分析研究能力。 Comprehensive analysis and research for mechanisms and prevention-and-cure approaches of soil- and water-related disasters.	12								
В	水土保持學術體系之掌握與發展。 Mastering and developing the academic system of soil and water conservation.	123								
С	跨領域學術與問題之整合與解決。 Integrating and solving interdisciplinary problems.	23								
D	獨立思考、判斷與調適之能力。 Independent thinking, judgment and adaptation.	12								

※附註 Note:

※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.

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.

承辦人簽章 Signature of Processing Clerk: 規劃單位主管簽章 Head of Planning Unit:

_水土保持_學系 Department □學士班 Bachelor's Program □碩士班 Master's Program ■博士班 Doctoral Program □碩專班 Master's Degree Program □國際專班 International Program □進修學士班 Continuing Bachelor 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	PI	ans (占(阿 (Note 3	s)	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				
						,請加註必修、選修) Col please indicate Required C							
	必修課程 Required Courses												
博士班專題討論	Doctoral Seminar	D	С	Y	0	A(25%) B(25%) C(25%) D(25%)	博一	水保系	原為專題討論(一)、(二)、(三)各2學分必修,104學年度改為博士班專題討論0學分必修,至少修習6學期。				
博士論文	Dissertation	D	С	Y	12	A(25%) B(25%) C(25%) D(25%)		水保系					

※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 Signature of Processing Clerk:

規劃單位主管簽章 Head of Planning Unit:

年 月 日 Date:

_水土保持_學系 Department □學士班 Bachelor's Program □碩士班 Master's Program ■博士班 Doctoral Program □碩專班 Master's Degree Program □國際專班 International Program □進修學士班 Continuing Bachelor Program 課程規畫表 Curriculum Plan

英文課程名稱 Course Title in English	1			es)	對應核心能力編號	建議修課年級	開課單位 Course Offering Unit	備註 Remarks	
	٠.	2	3	4	Corresponding Education Goal Number	Recommended Year of Study			
選修	課程	果程 Elective Co			Durses				
Special Topics on Prevention of Wind Damages in Coastal Areas	D	A	S	3	A(50%) B(50%)	博一	水保系		
Advanced Sabo Engineering (I)	D	A	S	3	A(50%) D(50%)	博一	水保系		
Special Topics on Landslide Mitigation	D	A	S	3	A(40%) B(10%) C(40%) D(10%)	博一	水保系		
Advanced Watershed Management (I)	D	A	S	3	A(25%) B(25%) C(25%) D(25%)	博一	水保系		
Special Topics on Ecological Engineering	D	A	S	3	A(25%) B(25%) C(25%) D(25%)	博一	水保系		
Special Topics on Windbreak and Sand Stabilization	D	A	S	3	A(50%) D(50%)	博一	水保系		
Special Topics on Sustainable Engineering (I)	D	A	S	3	A(20%) B(30%) C(30%) D(20%)	博一	水保系		
Mechanics and Countermeasures of Debris Flow	D	A	S	3	A(30%) B(10%) C(30%) D(30%)	博一	水保系		
Special Topics in Conservation Ecology	D	A	S	3	B(30%) C(30%) D(40%)	博二	水保系		
Advanced Sabo Engineering (II)	D	A	S	3	A(50%) D(50%)	博二	水保系		
Special Topics in Landscape Ecology	D	A	S	3	A(30%) B(30%) C(20%) D(20%)	博二	水保系		
Special Topics on Sustainable Engineering (II)	D	A	S	3	A(30%) B(30%) C(30%) D(10%)	博二	水保系		
Advanced Soil Physics	D	A	Y	4	A(25%) B(25%) C(25%) D(25%)	博二	水保系		
Slopeland Micrometeorology	D	A	S	3	A(50%) D(50%)	博二	水保系		
Advanced Groundwater Hydrology	D	A	S	3	A(30%) B(30%) C(20%) D(20%)	博二	水保系		
S S S S S S S S S S S S S S S S S S S	pecial Topics on Prevention of Wind Damages in Coastal Areas Advanced Sabo Engineering (I) pecial Topics on Landslide Mitigation Advanced Watershed Management (I) pecial Topics on Ecological Engineering pecial Topics on Windbreak and Sand atabilization pecial Topics on Sustainable Engineering (I) Mechanics and Countermeasures of Debris Flow pecial Topics in Conservation Ecology advanced Sabo Engineering (II) pecial Topics in Landscape Ecology pecial Topics on Sustainable Engineering (II) Advanced Soil Physics clopeland Micrometeorology	pecial Topics on Prevention of Wind Damages in Davadvanced Sabo Engineering (I) Depecial Topics on Landslide Mitigation Depecial Topics on Landslide Mitigation Depecial Topics on Ecological Engineering Depecial Topics on Windbreak and Sand Itabilization Depecial Topics on Sustainable Engineering (I) Defection Topics on Sustainable Engineering (I) Defectial Topics in Conservation Ecology Depecial Topics in Landscape Ecology Depecial Topics on Sustainable Engineering (II) Depecial Topics in Landscape Ecology Depecial Topics on Sustainable Engineering (II) Depecial Topics on Sustainable Engineering (II)	Advanced Sabo Engineering (I) Depecial Topics on Landslide Mitigation Depecial Topics on Landslide Mitigation Depecial Topics on Landslide Mitigation Depecial Topics on Ecological Engineering Depecial Topics on Windbreak and Sand Depecial Topics on Sustainable Engineering Depecial Topics in Conservation Ecology Depecial Topics in Landscape Ecology Depecial Topics in Landscape Ecology Depecial Topics on Sustainable Engineering (II) Depecial Topics in Landscape Ecology Depecial Topics on Sustainable Engineering (II) Depecial Topics on Sustainable Engineering (II)	pecial Topics on Prevention of Wind Damages in D A S Advanced Sabo Engineering (I) D A S Expecial Topics on Landslide Mitigation D A S Expecial Topics on Ecological Engineering D A S Expecial Topics on Ecological Engineering D A S Expecial Topics on Windbreak and Sand Benefit Topics on Sustainable Engineering D A S Expecial Topics on Sustainable Engineering D A S Expecial Topics on Sustainable Engineering D A S Expecial Topics on Sustainable Engineering (I) D A S Expecial Topics in Conservation Ecology D A S Expecial Topics in Landscape Ecology D A S Expecial Topics on Sustainable Engineering (II) D A S Expecial Topics in Landscape Ecology D A S Expecial Topics on Sustainable Engineering (II) D A S Expecial Topics on Sustainable Engineering (II) D A S Expecial Topics on Sustainable Engineering (II) D A S Expecial Topics on Sustainable Engineering (II) D A S Expecial Topics on Sustainable Engineering (II) D A S Expecial Topics on Sustainable Engineering (II) D A S Expecial Topics on Sustainable Engineering (II) D A S Expecial Topics on Sustainable Engineering (II) D A S Expecial Topics on Sustainable Engineering (II) D A S Expecial Topics on Sustainable Engineering (II) D A S Expecial Topics on Sustainable Engineering (II) D A S Expecial Topics on Sustainable Engineering (II) D A S Expecial Topics on Sustainable Engineering (II) D A S Expecial Topics on Sustainable Engineering (II) D A S Expecial Topics on Sustainable Engineering (II) D A S Expecial Topics on Sustainable Engineering (II) D A S Expecial Topics on Sustainable Engineering (II) D A S Expecial Topics on Sustainable Engineering (II) D A S Expecial Topics on Sustainable Engineering (II) D A S	pecial Topics on Prevention of Wind Damages in Damages in Coastal Areas Advanced Sabo Engineering (I) Damage A S 3 Advanced Sabo Engineering (I) Damage A S 3 Advanced Watershed Management (I) Damage A S 3 Advanced Watershed Management (I) Damage A S 3 Appecial Topics on Ecological Engineering Damage A S 3 Appecial Topics on Windbreak and Sand Band Itabilization Damage A S 3 Advanced Management (I) Damage A S 3 Advanced Sabo Engineering (I) Damage A S 3 Advanced Sabo Engineering (II) Damage A S 3 Advanced Soil Physics Damage A S 3 Advanced Soil Physics Damage A S 3	D A S 3 A(50%) B(50%)	Pecial Topics on Prevention of Wind Damages in obstated Areas	Pecial Topics on Prevention of Wind Damages in Coastal Areas	

※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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□ Date:

學系 Department □學士班 Bachelor's Program □碩士班 Master's Program □博士班 Doctoral Program □碩專班 Master's Degree Program □國際專班 International Program □進修學士班 Continuing Bachelor Program

專業領域微課程規劃表	Curriculum	Plan for	Micro-Courses	in Professio	nal Fields
す 元 (兄 /火 火 火 工 /火 単) 1人	Oulliculuil	ı ıaıı ıvı	Miloi O-Ooui 363	111 1 10163310	iiai i icius

中文課程名稱 Course Title in Chinese	英文課程名稱 Course Title in English	PI	ans (占(附 (Note	es)	對應核心能力編號 Corresponding Education	建議修課年級 Recommended	開課單位 Course Offering	備註 Remarks			
Course Title III Clilliese		1		3	4	Goal Number	Year of Study	Unit				
選修課程 Elective Courses												
									l			

※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-講演課、B-實習課(請擇一表示)・2: A-Lecture course, B-Internship (choose one).

 - 3:授課時數 (6小時)。Class duration (6 hours).
 - 4:必/選修別。Required/elective.

※本表單編號 F3-41專業領域微課程規劃表,可由課務組表格下載/課程規劃用相關表格,或網址:https://www.oaa.nchu.edu.tw/zh-tw/course-form/download-list.86直接下載用。

Click here to access and download this form (F3-41).

※依本校「專業領域微課程實施要點」第一點及第二點·日間學制各學院、系、所、學位學程、室(中心)等教學單位·得依其教學特色或專業·每學期以每門課6小時課程時數·設計微課程內容·供 學生組合式選擇學習・激發學生探索學習動機・培育跨領域知能。由教學單位提出微課程規劃表・經各級課程委員會審議通過後實施・於每學期18週內彈性安排上課。

According to Articles 1 and 2 of the University's Micro-Courses in Professional Fields Implementation Regulations, academic units within the full-time program system—such as colleges departments, graduate institutes, degree programs, and centers—may, according to the characteristic of their teaching style or profession, design micro-courses with a course duration of 6 hours per course each semester. These micro-courses are intended for students to learn in a theme-oriented style, to stimulate their motivation, and to cultivate cross-disciplinary knowledge and skills. The academic units must submit a micro-course plan, which will be implemented upon approval by the respective curriculum committees at various levels. Classes will be flexibly arranged within the 18 weeks of each semester.

承辦人簽章 Signature of Processing Clerk:

規劃單位主管簽章 Head of Planning Unit: