# 國立中興大學教學大綱(修訂版) NCHU Course Outline

課程名稱	( 🕇	(中)						
(course name	e) (E	(Eng.)						
開課單位								
(offering								
dept.)								
課程類別		必修 Required	學分		授課教師			
(course type)	) □š	選修 Elective	(credits)		(teacher)			
		授課語言 (language)		英文/EMI		開課學期 semester)		
課程簡述 (course description)	j述 se							
先修課程名稱 (prerequisites)				課程含自主 (self-directed in the course	l learnin	ng Y		
課程目標與核心能力關聯配比(%)				課程目標之教學方法與評量方法				
(relevance of outcomes)	cours	e objectives and co	(teaching and assessment methods for course objectives)					
	, l		<u> </u>	objectives)		<u> </u>		
課程目標	•	核心能力	配比	教學方法			評量方法	
Objectives	(Course Objectives) (Competency Indicators) Ratio		Ratio (%)	(Teaching	g Methods)	(Assess	sment Methods)	
	<i>-</i> )			□重題探討/彎	! 化(tonic	□畫面藝		
				□專題探討/製作(topic Discussion/Production)			entation)	
				□網路/遠距教學		□出席別	ŕ	
				(Networking/Distance			endance)	
				Education)		□□頭軸	&告 (Oral	
				□參訪 (Visit)			entation)	
				□習作 (Exercises)		□作業	(Assignment)	
				□討論(Disc			(Study Outcome)	
				□實習(Prac		□測驗(	, ,	
				□其他(0the	r)		Internship)	
				□講授 (Lecturing)		□其他	<del>-</del>	
授課內容(單	呈元名:	稱與內容、習作/每	· · · · · · · · · · · · · ·	、考試進度-	共16週加自主	學習)		
		l homework/sched		•			ning)	
调力								
		多(Course Content)						
第1週								
第2週								
第3週								
第4週								
第5週								
第6週								
第7週								

第8週							
第9週							
第10週							
第11週							
第12週							
第13週							
第14週							
第15週							
第16週							
自主學	依大學法施行細則	大學法施行細則,大學學分之計算原則以授課滿18小時為1學分。以1學分課程為例,自主學習內容須					
習內容 為2小時;實習或實驗滿36至54小時為1學分,1學分實習或實驗自主學習內容須為4-6小時…以							
1114	項目 (Item)	自主學習內容(Self-directed Learning Contents)					
	□01.	參與專業論壇、講座、企業分享等產官學研相關交流活動					
		Participation in professional forums, lectures, and corporate sharing sessions related to					
		industry-government-academia-research exchange activities.					
	□02.	閱覽產業及學術相關多媒體資料					
		Viewing multimedia materials related to industry and academia.					
	□03.	製作專題報告					
		Preparing presentations or reports related to industry and academia.					
	□04.	產官學機構參訪與實務體驗					
		Participation in visits or internships at industry, government, or academic institutions.					
	□05.	參與本校各單位舉辦之各類工作坊活動					
		Participation in various workshops organized by different departments of NCHU.					
	□06.	本校其它校區/分部(含實驗林場或試驗場)戶外教學參訪課程活動					
		Participation in field trips and outdoor instructional activities at other NCHU campuses					
		or branches, including experimental forests or test sites.					
	請於下方空白欄位說明有助學生學習之自主學習方式或內容						
	Please use the space below to provide additional details on self-directed learning methods or content that						
	could support student learning.						
	1 1						

## 學習評量方式

(evaluation)

# 教科書&參考書目(書名、作者、書局、代理商、說明)

(textbook & other reference)

#### 課程教材(教師個人網址請列在本校內之網址)

(teaching aids & teacher's website)

#### 課程輔導時間

(office hours)

## 聯合國全球永續發展目標(授課教師可依實際課程內容勾選,並可複選。)

Sustainable Development Goals, SDGs (Teachers may select based on the actual course content and can choose multiple options.)

目標 (Goal)	目標內容(Target content)
□01. 消除貧窮	消除全球一切形式的貧窮
(No Poverty)	End poverty in all its forms everywhere.
□02. 消除飢餓	消除飢餓,實現糧食安全,改善營養及促進永續農業。
(Zero Hunger)	WHITE AND A SOUTH A TO A BOARD CONTRACTOR

	End hunger, achieve food security and improved nutrition and
	promote sustainable agriculture.
□03. 健康與福祉	確保健康的生活方式,促進各年齡層人群的福祉。
(Good Health and Well-Being)	Ensure healthy lives and promote well-being for all at all ages
□04. 教育品質	確保包容與公平的優質教育,讓全民享有終身學習機會
	Ensure inclusive and equitable quality education and promote
(Quality Education)	lifelong learning opportunities for all.
□05. 性別平等	實現性別平等,提升婦女與女童權能
(Gender Equality)	Achieve gender equality and empower all women and girls.
-06 × 1, 42 /h-1	確保人人享有水及環境衛生及其永續管理
□06. 淨水與衛生	Ensure availability and sustainable management of water and
(Clean Water and Sanitation)	sanitation for all
07	確保人人取得可負擔、可靠及永續的現代能源
□07. 可負擔能源	Ensure access to affordable, reliable, sustainable and clean
(Affordable and Clean Energy)	energy for all
	促進持久、包容與永續的經濟成長,促進充分的生產性就
□08. 就業與經濟成長	業,讓所有人都有合宜的工作
(Decent Work and Economic Growth)	Promote sustained, inclusive and sustainable economic growth,
(=	full and productive employment and decent work for all
	建立韌性的基礎建設,促進包容且永續的工業,並加速創
□09. 工業、創新基礎建設	新
(Industry, Innovation and Infrastructure)	Build infrastructure, promote inclusive and sustainable
(mousely, mis varion and immusit occurs)	industrialization and foster innovation
□10. 減少不平等	降低國內及國家之間的不平等
(Reduced Inequalities)	Reduce inequality within and among countries
•	建設包容、安全、韌性及永續的城市與人類住區
□11. 永續城市	Make cities and human settlements inclusive, safe, resilient and
(Sustainable Cities and Communities)	sustainable
□12. 責任消費與生產	確保永續消費及生產模式
(Responsible Consumption)	Ensure sustainable consumption and production patterns
□13. 氣候行動	採取緊急行動以因應氣候變遷及其影響
(Climate Action)	Take urgent action to combat climate change and its impacts
	保護及永續利用海洋與海洋資源,確保永續發展
□14. 海洋生態	Conserve and sustainably use the oceans, seas and marine
(Life Below Water)	resources for sustainable development
	保護、恢復及促進永續利用陸地生態系統,永續管理森
	林,防治沙漠化,終止及改善土地退化,遏止生物多樣性
□15. 陸地生態	的喪失
(Life On Land)	Protect, restore and promote sustainable use of terrestrial
(Effe Off Earle)	ecosystems, sustainably manage forests, combat desertification,
	and halt and reverse land degradation and halt biodiversity loss.
	建立和平與包容的社會促進永續發展,讓所有人都能訴諸
	司法,建立有效、負責與包容的各級機構
□16. 和平與正義制度	可法,廷立有效、貝貝典也各的各級機構 Promote peaceful and inclusive societies for sustainable
(Peace and Justice)	development, provide access to justice for all and build
	effective, accountable and inclusive institutions at all levels.
	加強執行方法,重振永續發展全球夥伴關係
□17. 全球夥伴	Strengthen the implementation and revitalize the global
(Partnerships for the Goals)	partnership for sustainable development
	提供實驗、實習、實作之永續體驗課程
□提供體驗課程	表研り版、貝首、貝作之外側距板 赤柱 Courses of Sustainability provide experiment, internship and
(include experience courses)	practice:
	ргасисс.

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