

國立中興大學 通識課程 教學大綱

Syllabus of NCHU General Education Course

課程名稱 course name	(中) 興大綠色校園沙龍				
	(Eng.) NCHU Green Campus Café Seminar				
開課系所班級 dept. & grade	通識教育中心 General Education Center	學分 credits	2	規劃教師 instructor	Theodoor Richard
課程屬性 course type	必修 Required	授課語言 language	英文 English	開課學期 semester	上或下 Spring
課程分類 course classification	109 學年度前入學新生適用 enrolled in or before academic year 2020		通識自由選修		
	110 學年度起入學新生適用 enrolled in or after academic year 2021		統合領域:專業實作		
課程簡述 course description	This course provides students a flipped classroom and PBL (Problem Based Learning) - approach of the study of sustainability and its practice in Taiwan and especially, on NCHU campus. This course contains four major aspects: (1) responding to social change trends and issues to integrate into learning and future work; develop communication, teamwork, problem solving, and a willingness to continue professional growth through practice and reflection on sustainability; (2) exploring the connotation and case studies of the 17 United Nations SDGs; (3) actually participating in the university's green campus development; and (4) self-examination and team review of change capabilities and achievements.				
	The class will be discussion and action oriented on the basis of prior material reading, which the students are expected to complete before class time. Students are asked to take an active initiative to reflect upon and take action for change in the modern global environment and the NCHU campus in particular. This course will ask students to be actively involved in organizing a NCHU Green Campus Cafe.				
	本課程採用翻轉教室與問題導向學習（PBL）的教學方式，引導學生探究永續發展的概念，並思考其在台灣，特別是在中興大學校園中的實踐方式。課程內容涵蓋四大主軸： 回應社會變遷趨勢與議題，將其融入學習與未來工作中，並透過實踐與反思，培養溝通能力、團隊合作、問題解決等能力，以及持續專業成長的意願； 1. 探討聯合國 17 項永續發展目標（SDGs）的核心內涵與實際案例； 2. 實際參與綠色校園的推動與執行； 3. 進行自我檢視與團隊回顧，評估個人與團隊在改變中的能力與成果。 本課程強調討論與行動導向學習。學生需於課前完成指定閱讀，並於課堂中積極參與討論。課程鼓勵學生主動反思並實際行動，以回應當前全球環境的挑戰，並特別聚焦於中興大學校園相關議題。此外，學生將受邀參與籌辦「中興綠色校園沙龍」活動，深化實踐與參與經驗。				

教學目標 course objectives	1. To provide a critical understanding of key issues of sustainability, the SDGs and active change. 2. To explore how sustainability affects everyday life.				
	1. 培養對永續發展、SDGs（永續發展目標）及積極變革等關鍵議題的批判性理解。 2. 探索永續發展如何影響日常生活。				
先修課程 prerequisites	無 None				
六項核心能力配比（加總為 100%） The 6 core learning outcomes add up to 100%					
人文素養	科學素養	溝通能力	創新能力	國際視野	社會關懷
20%	10%	20%	10%	20%	20%
Humanities Literacy	Scientific Literacy	Communication Skills	Innovative Ability	International Perspective	Social Concerns
教學方法 teaching methods			學習評量方式 evaluation		
x 專題探討/製作 (topic Discussion/Production) x 網路/遠距教學 (Networking/Distance Education) ☐ 參訪 (Visit) x 習作 (Exercises) x 討論 (Discussion) ☐ 實習 (Practicum) ☐ 其他 (Other) x 講授 (Lecturing)			Evaluation is based on the teacher's impression of level of participation and overall performance in the class by the students. Grades are calculated on the following basis: 40% Class participation through assignments, active class work and discussions 30% Midterm: 5 – 10 min. presentation. 30% Endterm: 1000 words original paper.		
授課內容（單元名稱與內容、習作/考試進度） course contents and homework/tests schedule					
Students will be asked to actively participate in the activities and share their findings in the class. The subjects and documents, as well as the class schedule, mentioned in the syllabus are only indicative and can be changed pursuant to the teacher's ideas on the progress of the class. All materials are expected to be read and/or viewed by the students before class. All required home-works are to be submitted on the relevant dates to the teacher, without late acceptance. Submission of papers is on paper, and midterm presentation and classroom summaries are digital. The teacher will announce the type of campus work activity in class, each week for the following class week. The content of such activities will be decided by the teacher based on the progress of the class.					

Class schedule:		
Week	Topic	Description
1	Course Introduction	Overview, group formation, and initial topic exploration.
2	What is Sustainability?	Understanding the SDGs and higher education's role. General Discussion, consideration campus project
3	Green Campus	Introduction to Green Campus Cafe
4	Campus Ecology Walk	Outdoor exploration of NCHU's green spots.
5	Life on Land, SDG 15	Visit to and exploration of the campus Horticultural Garden
6	Waste Management and Circular Economy	Campus Clean Up
7	Green Campus Café; Action Planning I	Discussion on progress of Green Campus Café planning and organization; Set up IG / social media
8	Midterm	recorded 5 – 10 minutes talk on what you have learned so far, submitted via I-learning on the Midterm day, latest by that day midnight
9	Green Campus Survey	Exploration on campus on general sustainability issues (water, waste, food, electricity)
10	Campus Ecology Walk II	Exploration and observation of campus canal
11	Green Campus Work	Horticultural work in the garden
12	Green Campus Café; Action Planning II	Project proposal discussion and feedback.
13	Campus Appreciation	Campus walk and Tree Hugging
14	Green Campus Café; Action I	First round of Green Campus Café: speaker invite, coffee making, discussion
15	Green Campus Café; Action II	Second round of Green Campus Café: speaker invite, coffee making, discussion
16	Endterm	original (not AI) paper on any subject from the class, presenting on how you think the class work could help to promote sustainable living (1000 words)
教科書與參考書目（書名、作者、書局/代理商…） textbooks & other references (title, author, publisher...)		
Materials are multi-disciplinary. Further readings depend on the selection of subjects and will be given by the teacher during the course of the class.		
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		
另行公告		

◎為了統計各類別課程的數量，請根據課程的整體內容，評估所選項目的相關程度。可勾選多個項目，若課程內容不符合任何項目，則無需勾選。

To categorize the number of courses in each category, please evaluate the overall course content and indicate the relevance of the selected categories. Multiple selections are allowed. If the course content does not match any category, no selection is required.

一、UCAN：【可複選 Multiple selections allowed】

UCAN	整體課程內容之相關程度 Relevance to the overall course content				
☐ 創新 Innovation	☐ 低(L)	☐	☐ 中(M)	☐	☐ 高(H)
☒ 問題解決 Problem Solving	☐ 低(L)	☐	☒ 中(M)	☐	☐ 高(H)
☒ 人際互動 Interpersonal Interaction	☐ 低(L)	☐	☐ 中(M)	☒	☐ 高(H)
☒ 工作責任及紀律 Work Responsibility and Discipline	☐ 低(L)	☐	☒ 中(M)	☐	☐ 高(H)
☒ 持續學習 Continuous Learning	☐ 低(L)	☐	☒ 中(M)	☐	☐ 高(H)
☒ 團隊合作 Teamwork	☐ 低(L)	☐	☐ 中(M)	☒	☐ 高(H)
☒ 溝通表達 Communication Skills	☐ 低(L)	☐	☐ 中(M)	☒	☐ 高(H)
☐ 資訊科技應用 Information Technology Application	☐ 低(L)	☐	☐ 中(M)	☐	☐ 高(H)

二、USR：【可複選 Multiple selections allowed】

USR	整體課程內容之相關程度 Relevance to the overall course content				
☒ 在地關懷 Local Care	☐ 低(L)	☐	☒ 中(M)	☐	☐ 高(H)
☐ 文化永續 Cultural Sustainability	☐ 低(L)	☐	☐ 中(M)	☐	☐ 高(H)
☐ 健康促進 Health Promotion	☐ 低(L)	☐	☐ 中(M)	☐	☐ 高(H)
☒ 永續環境 Sustainable Environment	☐ 低(L)	☐	☐ 中(M)	X	☐ 高(H)
☐ 產業鏈結與經濟永續 Industrial Linkages and Economic Sustainability	☐ 低(L)	☐	☐ 中(M)	☐	☐ 高(H)
☐ 食品安全 Food Safety	☐ 低(L)	☐	☐ 中(M)	☐	☐ 高(H)
X 其他社會實踐 Other Social Practices	☐ 低(L)	☐	X 中(M)	☐	☐ 高(H)

三、STEAM：【可複選 Multiple selections allowed】

STEAM	整體課程內容之相關程度 Relevance to the overall course content				
☐ 科學 Science	☐ 低(L)	☐	☐ 中(M)	☐	☐ 高(H)
☐ 科技 Technology	☐ 低(L)	☐	☐ 中(M)	☐	☐ 高(H)
☐ 工程 Engineering	☐ 低(L)	☐	☐ 中(M)	☐	☐ 高(H)
☐ 數學 Mathematics	☐ 低(L)	☐	☐ 中(M)	☐	☐ 高(H)
☒ 藝術 Arts	☐ 低(L)	☐	☐ 中(M)	☒	☐ 高(H)

四、主題項目 Theme Project：【可複選 Multiple selections allowed】

主題項目 Themed Project	整體課程內容之相關程度 Relevance to the overall course content				
☒ 氣候變遷 Climate Change	☐ 低(L)	☐	☐ 中(M)	☒	☐ 高(H)
☐ 淨零排放 Net Zero Emissions	☐ 低(L)	☐	☐ 中(M)	☐	☐ 高(H)
☒ 永續發展 Sustainable Development	☐ 低(L)	☐	☒ 中(M)	☐	☐ 高(H)
☐ 情緒管理 Emotional Management	☐ 低(L)	☐	☐ 中(M)	☐	☐ 高(H)
☐ 人文關懷 Humanistic Care	☐ 低(L)	☐	☐ 中(M)	☐	☐ 高(H)
☐ 性別平等 Gender Equality	☐ 低(L)	☐	☐ 中(M)	☐	☐ 高(H)
☒ 生命教育 Life Education	☐ 低(L)	☐	☒ 中(M)	☐	☐ 高(H)
☐ 資訊安全 Information Security	☐ 低(L)	☐	☐ 中(M)	☐	☐ 高(H)
☐ 資訊科技 Information Technology	☐ 低(L)	☐	☐ 中(M)	☐	☐ 高(H)
☐ 資訊判讀 Information Literacy	☐ 低(L)	☐	☐ 中(M)	☐	☐ 高(H)
☐ 媒體識讀 Media Literacy	☐ 低(L)	☐	☐ 中(M)	☐	☐ 高(H)
☐ 智慧財產 Intellectual Property	☐ 低(L)	☐	☐ 中(M)	☐	☐ 高(H)
☐ 臺灣文學 Taiwanese Literature	☐ 低(L)	☐	☐ 中(M)	☐	☐ 高(H)
☒ 實作 Implementation	☐ 低(L)	☐	☐ 中(M)	☒	☐ 高(H)
☒ 行動導向 Action-oriented	☐ 低(L)	☐	☐ 中(M)	☒	☐ 高(H)
☒ 跨域 Interdisciplinary	☐ 低(L)	☐	☒ 中(M)	☐	☐ 高(H)
☐ 走讀台中山水遊學 Study Tour of Taichung's Landscape	☐ 低(L)	☐	☐ 中(M)	☐	☐ 高(H)
☐ 空間綠化設計 Space Greening Design	☐ 低(L)	☐	☐ 中(M)	☐	☐ 高(H)
☐ 生活環境創意美學 Creative Aesthetics of Living Environment	☐ 低(L)	☐	☐ 中(M)	☐	☐ 高(H)

主題項目 Themed Project	整體課程內容之相關程度 Relevance to the overall course content				
☐ 運算思維程式設計 Computational Thinking and Programing Design	☐ 低(L)	☐	☐ 中(M)	☐	☐ 高(H)
☐ 創新創意 Innovation and Creativity	☐ 低(L)	☐	☐ 中(M)	☐	☐ 高(H)

五、SDGs：【可複選 Multiple selections allowed】

SDGs	整體課程內容之相關程度 Relevance to the overall course content				
☐ 1.消除貧窮 No Poverty	☐ 低(L)	☐	☐ 中(M)	☐	☐ 高(H)
☐ 2.消除飢餓 Zero Hunger	☐ 低(L)	☐	☐ 中(M)	☐	☐ 高(H)
☒ 3.健康與福祉 Good Health and Well-Being	☐ 低(L)	☐	☒ 中(M)	☐	☐ 高(H)
☒ 4.教育品質 Quality Education	☐ 低(L)	☐	☒ 中(M)	☐	☐ 高(H)
☐ 5.性別平等 Gender Equality	☐ 低(L)	☐	☐ 中(M)	☐	☐ 高(H)
☐ 6.淨水與衛生 Clean Water and Sanitation	☐ 低(L)	☐	☐ 中(M)	☐	☐ 高(H)
☐ 7.可負擔能源 Affordable and Clean Energy	☐ 低(L)	☐	☐ 中(M)	☐	☐ 高(H)
☐ 8.就業與經濟成長 Decent Work and Economic Growth	☐ 低(L)	☐	☐ 中(M)	☐	☐ 高(H)
☐ 9.工業、創新基礎建設 Industry, Innovation and Infrastructure	☐ 低(L)	☐	☐ 中(M)	☐	☐ 高(H)
☐ 10.減少不平等 Reduced Inequalities	☐ 低(L)	☐	☐ 中(M)	☐	☐ 高(H)
☒ 11.永續城市 Sustainable Cities and Communities	☐ 低(L)	☐	☐ 中(M)	☐	☐ 高(H)
☐ 12.責任消費與生產 Responsible Consumption	☐ 低(L)	☐	☒ 中(M)	☐	☐ 高(H)
☒ 13.氣候行動 Climate Action	☐ 低(L)	☐	☐ 中(M)	☒	☐ 高(H)
☐ 14.海洋生態 Life Below Water	☐ 低(L)	☐	☐ 中(M)	☐	☐ 高(H)
☒ 15.陸地生態 Life on Land	☐ 低(L)	☐	☐ 中(M)	☒	☐ 高(H)
☐ 16.和平與正義制度 Peace and Justice	☐ 低(L)	☐	☐ 中(M)	☐	☐ 高(H)
☐ 17.全球夥伴 Partnerships for the Goals	☐ 低(L)	☐	☐ 中(M)	☐	☐ 高(H)

請填寫與課程最相關之上列已勾選 SDGs 目標序號： 13 (無勾選者則免填)

Please fill in the selected SDG goal most relevant to the course: 13 (If no goals have been selected, please leave blank.)

