國立中興大學教學大綱（修訂版）

NCHU Course Outline

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| **課程名稱**  **(course name)** | (中) | | | | | | | | | | |
| (Eng.) | | | | | | | | | | |
| **開課單位**  **(offering dept.)** |  | | | | | | | | | | |
| **課程類別**  **(course type)** | □必修**Required**  □選修**Elective** | | **學分**  **(credits)** | |  | **授課教師**  **(teacher)** |  | | | | |
| **選課單位**  **(department)** |  | | **授課語言**  **(language)** | |  | **英文/EMI** | □Y  □N | | **開課學期**  **(semester)** | |  |
| **課程簡述**  **(course description)** |  | | | | | | | | | | |
| **先修課程名稱**  **(prerequisites)** |  | | | | | **課程含自主學習 (self-directed learning in the course)** | | | | Y | |
| **課程目標****與核心能力關聯配比(%)**  **(relevance of course objectives and core learning outcomes)** | | | | | **課程目標之教學方法與評量方法**  **(teaching and assessment methods for course objectives)** | | | | | | |
| **課程目標**  **(Course Objectives)** | | **核心能力**  **(Competency Indicators)** | | **配比**  **Ratio (%)** | **教學方法**  **(Teaching Methods)** | | | **評量方法**  **(Assessment Methods)** | | | |
|  | |  | |  | □**專題探討/製作 (topic Discussion/Production)**  □**網路/遠距教學**  **(Networking/Distance Education)**  □**參訪 (Visit)**  □**習作 (Exercises)**  □**討論 (Discussion)**  □**實習 (Practicum)**  □**其他 (Other)**  □**講授 (Lecturing)** | | | □**書面報告 (Written Presentation)**  □**出席狀況   (Attendance)**  □**口頭報告 (Oral Presentation)**  □**作業 (Assignment)**  □**作品 (Study Outcome)**  □**測驗** (**Quiz)**  □**實作** (**Internship)**  □**其他 (Other)** | | | |
| **授課內容（單元名稱與內容、習作/每週授課進度、考試進度-共16週加自主學習）**  **(course content and homework/schedule/tests schedule -16weeks+ self-directed learning)** | | | | | | | | | | | |
| |  |  | | --- | --- | | 週次  (Week) | 授課內容**(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 |  | | 自主學習內容 | 依大學法施行細則，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…以此類推。According to the Enforcement Rules of the University Act, university credit hours are calculated based on the principle that 18 teaching hours equate to 1 credit and 36-54 practical hours equate to 1 credit. For instance, a 1-credit teaching course should include 2 hours of self-directed learning, a 1-credit practical course should include 4-6 hours of self-directed learning, and so forth.   |  |  | | --- | --- | | 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. | | |  | | | | | | | | | | | | | | |
| **學習評量方式**  **(evaluation)** | | | | | | | | | | | |
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| **教科書＆參考書目(書名、作者、書局、代理商、說明)**  **(textbook & other reference)** | | | | | | | | | | | |
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| **課程教材（教師個人網址請列在本校內之網址）**  **(teaching aids & teacher's website)** | | | | | | | | | | | |
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| **課程輔導時間**  **(office hours)** | | | | | | | | | | | |
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| **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  (No Poverty) | 消除全球一切形式的貧窮  End poverty in all its forms everywhere. | | □02. 消除飢餓  (Zero Hunger) | 消除飢餓，實現糧食安全，改善營養及促進永續農業。  End hunger, achieve food security and improved nutrition and promote sustainable agriculture. | | □03. 健康與福祉  (Good Health and Well-Being) | 確保健康的生活方式，促進各年齡層人群的福祉。  Ensure healthy lives and promote well-being for all at all ages | | □04. 教育品質  (Quality Education) | 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 lifelong learning opportunities for all. | | □05. 性別平等  (Gender Equality) | 實現性別平等，提升婦女與女童權能  Achieve gender equality and empower all women and girls. | | □06. 淨水與衛生  (Clean Water and Sanitation) | 確保人人享有水及環境衛生及其永續管理  Ensure availability and sustainable management of water and sanitation for all | | □07. 可負擔能源  (Affordable and Clean Energy) | 確保人人取得可負擔、可靠及永續的現代能源  Ensure access to affordable, reliable, sustainable and clean energy for all | | □08. 就業與經濟成長  (Decent Work and Economic Growth) | 促進持久、包容與永續的經濟成長，促進充分的生產性就業，讓所有人都有合宜的工作  Promote sustained, inclusive and sustainable economic growth, full and productive employment and decent work for all | | □09. 工業、創新基礎建設  (Industry, Innovation and Infrastructure) | 建立韌性的基礎建設，促進包容且永續的工業，並加速創新  Build infrastructure, promote inclusive and sustainable industrialization and foster innovation | | □10. 減少不平等  (Reduced Inequalities) | 降低國內及國家之間的不平等  Reduce inequality within and among countries | | □11. 永續城市  (Sustainable Cities and Communities) | 建設包容、安全、韌性及永續的城市與人類住區  Make cities and human settlements inclusive, safe, resilient and sustainable | | □12. 責任消費與生產  (Responsible Consumption) | 確保永續消費及生產模式  Ensure sustainable consumption and production patterns | | □13. 氣候行動  (Climate Action) | 採取緊急行動以因應氣候變遷及其影響  Take urgent action to combat climate change and its impacts | | □14. 海洋生態  (Life Below Water) | 保護及永續利用海洋與海洋資源，確保永續發展  Conserve and sustainably use the oceans, seas and marine resources for sustainable development | | □15. 陸地生態  (Life On Land) | 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，遏止生物多樣性的喪失  Protect, restore and promote sustainable use of terrestrial ecosystems, sustainably manage forests, combat desertification, and halt and reverse land degradation and halt biodiversity loss. | | □16. 和平與正義制度  (Peace and Justice) | 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  Promote peaceful and inclusive societies for sustainable development, provide access to justice for all and build effective, accountable and inclusive institutions at all levels. | | □17. 全球夥伴  (Partnerships for the Goals) | 加強執行方法，重振永續發展全球夥伴關係  Strengthen the implementation and revitalize the global partnership for sustainable development | | □提供體驗課程  (include experience courses) | 提供實驗、實習、實作之永續體驗課程 Courses of Sustainability provide experiment, internship and practice: | | | | | | | | | | | | |

請遵守智慧財產權及性別平等意識，不得非法影印他人著作。

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