

Sustainability Report of College of Humanities and Applied Sciences

I. Sustainable Development Vision

According to the Medium-Term Plan for School Development (2021-2025) and the vision of sustainable development in line with the 17 Sustainable Development Goals (SDGs) of United Nations by 2030, we coordinate and implement academic research, university-industry cooperation, education and sustainable goals for the sustainable development of economy, society and environment in and out of Taiwan.

II. Sustainable Development Goals (SDGs)

College of Humanities and Applied Sciences

Index	1 NO POVERTY	2 ZERO HUNGER	3 GOOD HEALTH AND WELL-BEING	4 QUALITY EDUCATION	5 GENDER EQUALITY	6 CLEAN WATER AND SANITATION	7 AFFORDABLE AND CLEAN ENERGY	8 DECENT WORK AND ECONOMIC GROWTH	9 INDUSTRY, INNOVATION AND INFRASTRUCTURE	10 REDUCED INEQUALITIES	11 SUSTAINABLE CITIES AND COMMUNITIES	12 RESPONSIBLE CONSUMPTION AND PRODUCTION	13 ACCIÓN POR EL CLIMA	14 LIFE BELOW WATER	15 LIFE ON LAND	16 PEACE AND JUSTICE STRONG INSTITUTIONS	17 PARTNERSHIPS FOR THE GOALS
Course and Education		V	V	V	V		V	V	V	V	V			V	V	V	V
Academia and Industry University Cooperation	V		V	V			V	V	V	V	V		V		V	V	V
Academic Research		V	V	V			V	V	V		V	V					

Our sustainable development goals pursue the sustainability of economy, society and environment with the concept of university education and social responsibility.

Sustainable Key Goals of **Course and Education** Include : SDG 2(ZERO HUNGER) 、SDG 3(GOOD HEALTH AND WELL-BEING) 、SDG 4(QUALITY EDUCATION) 、SDG 5(GENDER EQUALITY) 、SDG 7(AFFORDABLE AND CLEAN ENERGY) 、SDG 8(DECENT WORK AND ECONOMIC GROWTH) 、SDG 9(INDUSTRY, INNOVATION AND INFRASTRUCTURE) 、SDG 10(REduced INEQUALITIES) 、SDG 11(SUSTAINABLE CITIES AND COMMUNITIES) 、SDG 14(LIFE BELOW WATER) 、SDG 15(LIFE ON LAND) 、SDG 16(PEACE, JUSTICE AND STRONG INSTITUTIONS) 、SDG 17(PARTNERSHIPS FOR THE GOALS). 13 Sustainable Development Goals (SDGs) are listed in total.

Sustainable Key Goals of **Academia and Industry-University Cooperation** Include : SDG 1(NO POVERTY) 、SDG 3(GOOD HEALTH AND WELL-BEING) 、SDG 4(QUALITY EDUCATION) 、SDG 7(AFFORDABLE AND CLEAN ENERGY) 、SDG 8(DECENT WORK AND ECONOMIC GROWTH) 、SDG 9(INDUSTRY, INNOVATION AND INFRASTRUCTURE) 、SDG 10(REduced INEQUALITIES) 、SDG 11(SUSTAINABLE CITIES AND COMMUNITIES) 、SDG 13(CLIMATE ACTION) 、SDG 15(LIFE ON LAND) 、SDG 16(PEACE, JUSTICE AND STRONG INSTITUTIONS) 、SDG 17(PARTNERSHIPS FOR THE GOALS). 12 Sustainable Development Goals (SDGs) are listed in total.

Sustainable Key Goals of **Academic Research** Include : SDG 2(ZERO HUNGER) 、SDG 3(GOOD HEALTH AND WELL-BEING) 、SDG 4(QUALITY EDUCATION) 、SDG 7(AFFORDABLE AND CLEAN ENERGY) 、SDG 8(DECENT WORK AND ECONOMIC GROWTH) 、SDG 9(INDUSTRY, INNOVATION AND INFRASTRUCTURE) 、SDG 11(SUSTAINABLE CITIES AND COMMUNITIES) 、SDG 12(RESPONSIBLE CONSUMPTION AND PRODUCTION). 8 Sustainable Development Goals (SDGs) are listed in total.

Moreover, following the “Five-aspects Strategy” of YunTech (namely as **Characterization, Academization, Industry-University Cooperation, Internationalization and Intellectualization**), we fulfill the university social responsibility (USR) and the spirit of sustainability in acquiring an internationally-recognized university featured by innovative education and industrial integration in line with international standards.

I. Short-term Target: Achieve the annual performance target of school affairs.

II. Medium-term Target: Gradually realize the vision of sustainability based on YunTech's Five-ization Strategy through the academization, industry-university cooperation, internationalization, intellectualization and characterization.

(1)Characterization and Student Enrollment: Strengthen our connection with feeder schools by digital learning platforms, and carry out course reform and adjustment for better enrollment performance, so as to integrate intelligent education services and improve educational reputation.

(2)Academicization: Satisfy “basic requirements” and “special demands” by resource allocation to improve academic research results.

(3)Industry-University Cooperation: Negotiate with each department on relevant rights and obligations when each college is responsible for integration or interdisciplinary cooperation. Case-sharing meetings for industry-university cooperation could be carried out and be put into courses to improve industry-university performance.

(4)Internationalization: Provide trainings of international enrollment, purchase more precision equipment for PhD program, encourage teachers to participate in or host joint forums, match the International Office with foreign sister schools, and set up the International Student Special Program to attract more students.

(5)Intellectualization: The information demand questionnaire shall be filled out by each department for the integration of academic resources (data-sharing) for all faculties and students.

III. Long-term Target: In accordance with the 2030 Agenda for Sustainable Development of United Nations and the “Five-aspects Strategy”, a college-focused university will be created. Conforming to all-round demands in academic research, university-industry cooperation, sustainable courses and education of society, environment and students, we will continue our efforts in global sustainable development.

List plans of sustainability education, academic research and industry-university cooperation in 2020 years.

(一) 開設永續目標的課程

★Total number of courses related sustainability and social practice = 72

符合 SDGs	Courses	代表性課名(中英文)
SDG 2	1	飲食文化資產(Cultural Heritage of Food)
SDG 3	4	健康促進專題研究(Special Topic in Health Promotion)、健康體適能概論(Fundamental Health Fitness)、健康體適能檢測與評量(Fitness Test and Assessment)、銀髮休閒健康專題研究(Studies in Leisure and Health for Older Adults)
SDG 4	18	比較技職教育研究(Comparative Study on Technological and Vocation Education)、技職教育研究法(Research Methodology in Technological & Vocational Education)、技職教育英文期刊論文選讀(Selected English Paper Reading in Technology & Vocational Education)、技職教育理論與實際(Theoretical Foundations & Practice of Vocational & Technological Education)、特殊教育導論(Introduction to Special Education)、高級教育統計(Advance educational Statistics)、教育心理學(Educational Psychology)、教育社會學(Sociology of Education)、教育概論(An Introduction to Education)、教育與校務評鑑研究(Studies on Evaluation in Education and School)、教育議題專題(Special Topic for Educational Issues)、職業教育與訓練(Vocational Education and Training)
SDG 5	3	文化研究選讀(Readings on Cultural Studies)、性別意識與校園文化(Gender Conscience and Campus Culture)、教育心理學(Educational Psychology)
SDG 7	2	綠色能源法專題(Green Energy Law Seminar)
SDG 8	1	科技與經濟犯罪專題(Seminar on the Crimes of Technology and Economic)
SDG 9	1	文化資產實作(一): 建築襲產與聚落保存(The Practice of Cultural Heritage Conservation (I) : Built Heritage and Settlement Conservation)
SDG 10	22	中國大陸法律專題(Seminars on PRC Laws)、民事訴訟法(Civil Procedure Law)、民法(一)(Civil Law (I))、生命倫理與法律專題(Ethics and Law of Biotechnology)、法律專業倫理(Legal Ethics and Professional Responsibility)、

		法律實務研習（一）(Legal Clinic (I))、法律實務研習（二）(Legal Clinic (II))、法學日文（一）(Legal Japanese (I))、法學英文（一）(Legal English (I))、法學英文（二）(Legal English (II))、法學論文寫作(Legal Thesis Writing and Research Methodology)、科技管理與法律專題(Management and Law of Technology)、商事法(Business Law)、商標法專題(Seminar on Trademark Law)、專利侵害鑑定專題(Patent Infringement Examination and Assessment)、網際網路與電子商務法律專題(Seminar on Internet E-commercial Law)、醫療法律專題(Seminar on Medical Law)
SDG 11	16	文化社會與產業發展(Culture, Society and Industry)、文化資產實作（一）：建築襲產與聚落保存(The Practice of Cultural Heritage Conservation (I) : Built Heritage and Settlement Conservation)、台灣客家族群的社會與文化(Society and Culture of the Hakka)、永續觀光(Sustainable Tourism)、休閒運動社會學研究(Researches on Leisure and Exercise Sociology)、社會及行為科學專題研究(Study on Social and Behavioral Science)、社會語言學專題(Seminar in Sociolinguistics)、教育社會學(Sociology of Education)、臺灣傳統建築木工（二）(Taiwan Traditional Building and Woodworking (II))、臺灣漢人社會與文化專題(Society and Culture of the Han in Taiwan)、課室社會互動分析(Classroom Interaction Analysis)、織品文物修護(Textile Conservation and Restoration)、職業社會學(Occupational Sociology)
SDG 14	2	生態旅遊經營與管理(Seminar on Management of Eco-tourism)
SDG 15	2	生態旅遊經營與管理(Seminar on Management of Eco-tourism)
SDG 16	22	中國大陸法律專題(Seminars on PRC Laws)、民事訴訟法(Civil Procedure Law)、民法（一）(Civil Law (I))、生命倫理與法律專題(Ethics and Law of Biotechnology)、法律專業倫理(Legal Ethics and Professional Responsibility)、法律實務研習（一）(Legal Clinic (I))、法律實務研習（二）(Legal Clinic (II))、法學日文（一）(Legal Japanese (I))、法學英文（一）(Legal English (I))、法學英文（二）(Legal English (II))、法學論文寫作(Legal Thesis Writing and Research Methodology)、科技管理與法律專題(Management and Law of Technology)、商事法(Business Law)、商標法專題(Seminar on Trademark Law)、專利侵害鑑定專題(Patent Infringement Examination

		and Assessment)、網際網路與電子商務法律專題(Seminar on Internet E-commercial Law)、醫療法律專題(Seminar on Medical Law)
SDG 17	5	中級國際新聞導讀(Intermediate Journalism English)、國際智慧財產權專題(International Intellectual Property)、國際貿易實務(Practice of International Trade)、國際會展企劃與演練(Planning and Practicum of Trading Shows)、進階國際新聞導讀(Advanced Journalism English)

Sustainability Related Industry-University Cooperation

★2020 Total Number of Project= 39

符合 SDGs	Project	代表性計畫
SDG 1	6	【永齡.鴻海台灣希望小學】弱勢學童課輔計畫、國民小學弱勢家庭學生學習扶助計畫...等。
SDG 3	3	上千五金行員工休閒活動規畫暨健康體適能維護諮詢、中階管理人員之高齡服務培訓班紀實專書撰寫計畫書、台大雲林分院雲林縣高齡長者的健康養生之道訪談計畫。
SDG 4	20	環境教育推動計畫-紫斑蝶生態繪本學習營、教育部推動大學師資生實踐史懷哲精神教育服務計畫、地方教育輔導工作計畫...等。
SDG 7	3	使用金屬輔助蝕刻法及後處理提升鑽石切割單晶矽太陽能電池之能量轉換效率、國際再生能源市場發展資料蒐集、電鍍銅/鋁摻雜氧化鋅作為矽異質接合太陽能電池電極之研究。
SDG 8	4	人文社會與科技前瞻人才培育計畫-文化資產前瞻人才培育-國際化與在地化的跨域課程整合、建構文化資產守護網絡-文化資產學院人才培育計畫/教學群組：傳統工藝文化資產傳習與保存修復學程、界畫欣賞與台灣傳統建築導覽人才培育計畫
SDG 9	2	界畫欣賞與台灣傳統建築導覽人才培育計畫、國際生質燃料工業化熱電應用研析、臺中市歷史建築「清泉崗聖潔教會」修

		復及再利用計畫。
SDG 10	11	產學攜手合作計畫弱勢學生助學金、【永齡·鴻海台灣希望小學】弱勢學童課輔計畫、天然氣法規相關議題研析...等。
SDG 11	9	文化部辦理臺灣與拉丁美洲文化交流合作補助計畫-台灣墨西哥原住民文化資產的地域評估與永續發展、國際生質燃料工業化熱電應用研析、國際再生能源市場發展資料蒐集...等。
SDG 13	1	天然氣法規相關議題研析。
SDG 15	1	環境教育推廣活動計畫-親子共悅生態繪本，宣揚台灣保育之光。
SDG 16	11	中小學及社區法治教育計畫、扶助國民小學弱勢家庭學生學習(學習扶助)計畫、天然氣法規相關議題研析...等。
SDG 17	4	文化部辦理臺灣與拉丁美洲文化交流合作補助計畫-台灣墨西哥原住民文化資產的地域評估與永續發展、教育部補助「促進產學連結合作育才平臺計畫」-智慧機械工作圈、臺灣與東南亞學術合作之跨國行動研究/人才培育的開發與驗證...等。

Sustainability Related Academic Research

★2020 Total Number of Research =32

符合 SDGs	Research	代表學術發表
SDG 2	1	Trust factors for organic foods: consumer buying behavior.
SDG 3	1	Mobile health app with social media to support self-management for patients with chronic kidney disease: Prospective randomized controlled study.
SDG 4	22	A study on the psychological contract of administrative personnel in vocational education institute.; An Analytical Study on The Effective Approaches to Facilitate Higher Education Cooperate with Industry: Based on Faculty Members Perspective.; Designing an authoring system of robots and IoT-based toys for EFL teaching and learning.

SDG 7	5	Barrier performance of ITO film on textured Si substrate.; Effects of H.; Electroplated Ru and RuCo films as a copper diffusion barrier.
SDG 8	2	How do recreation experiences affect visitors' environmentally responsible behavior? Evidence from recreationists visiting ancient trails in Taiwan.; How the authentic experience of a traditional cultural festival affects the attendee's perception of festival identity and place identity.
SDG 9	4	An Analytical Study on The Effective Approaches to Facilitate Higher Education Cooperate with Industry: Based on Faculty Members Perspective.; Collaboration between universities, government, and industries: Applying the triple helix relationship model to Indonesian education improvement.; Research on the construction of 'X' occupational skill certificates for vocational education in China.
SDG 11	1	How the authentic experience of a traditional cultural festival affects the attendee's perception of festival identity and place identity.
SDG 12	3	How do recreation experiences affect visitors' environmentally responsible behavior? Evidence from recreationists visiting ancient trails in Taiwan.; How the authentic experience of a traditional cultural festival affects the attendee's perception of festival identity and place identity.; Impact of pretreatment methods on production of bioethanol and nanocrystalline cellulose.