Chang Jung Christian University Bachelor Degree Program in International Program for Sustainable Development Curriculum List

(Curriculum Guides,2023 Academic Year)

obligatory / elective course	No.	course name(ch)	course name	grade	semester	credit	hours/week instruction	parctice	Remark
dep. course-obligatory	SD00007	環境永續發展	Sustainable Development for Environment	1	1	3	3	0	
	SD00008	永續發展專題討論I	Seminars on Sustainable Development I	1	1	2	2	0	
	SD00071	環境科學	Environmental Science	1	1	2	2	0	
	SD00092	校園永續體驗學習I	Experiencing Learning I	1	1	3	3	0	
	SD00185	自然科學I：生物學	Natural science I: Biology	1	1	2	2	0	
	SD00192	環境議題-簡報與溝通技巧	Communication and understanding of environmental issues	1	1	2	2	0	
	SD00090	計算機概論	Introduction to Computer	1	2	2	2	0	
	SD00093	校園永續體驗學習II	Experiencing Learning II	1	2	3	3	0	
	SD00131	社會科學概論	Introduction to Social Science	1	2	2	2	0	
	SD00187	自然科學II:化學	Natural science II: Chemistry	1	2	2	2	0	
	SD00011	永續發展專題討論II	Seminars on Sustainable Development II	2	1	2	2	0	
	SD00072	環境倫理	Environmental ethics	2	1	2	2	0	
	SD00082	環境教育	Environmental Education	2	1	2	2	0	
	SD00085	科學寫作	Scientific Writing	2	1	2	2	0	
	SD00069	環境教育教材教法	Materials and methodologies for environmental education	2	2	2	2	0	
	SD00084	科學議題探討	Exploring Science Issues: Methods and practices	2	2	3	3	0	
	SD00087	綠色經濟	Green Economy	2	2	2	2	0	
	SD00152	都市計畫與永續發展	Urban Planning and Sustainable Development	2	2	2	2	0	
	SD00196	都市計畫與永續發展實務	Urban Planning and Sustainable Development Practice	2	2	2	2	0	
	SD00188	自然科學III:物理	Natural science III: Physics	2	2	2	2	0	
	SD00016	永續發展專題討論III	Seminars on Sustainable Developmenet III	3	1	2	2	0	
	SD00141	方案設計與評估	Project Design and Evaluation	3	1	2	2	0	
	SD00190	專題實作	Special Topic	3	2	3	3	0	
dep. course-elective	SD00032	環境教育國際實驗微學分I	Practice and Education for the Environment I	0	1	1	1	0	
	SD00033	環境教育國際實驗微學分II	Practice and Education for the Environment II	0	1	1	1	0	
	SD00186	根與芽深碗課程	Roots & Shoots Deep Bowl credits	0	1	2	2	0	

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obligatory / elective course	No.	course name(ch)	course name	grade	semester	credit	hours/week instruction	hours/week parctice	Remark
dep. course-elective	SD00191	根與芽初階深碗課程	Basic Roots & Shoots Deep Bowl credit	0	1	1	1	0	
	ZG00000	跨領域微學分Ⅰ	Interdisciplinary Microcredit Course Ⅰ	0	1	1	1	0	
	ZG00001	跨領域微學分Ⅱ	Interdisciplinary Microcredit Course Ⅱ	0	1	1	1	0	
	ZG00002	跨領域微學分Ⅲ	Interdisciplinary Microcredit Course Ⅲ	0	1	1	1	0	
	SD00130	基礎數學	Essential mathematical skills	1	2	2	2	0	
	SD00050	全球化與人文關懷	Globalization and Humanistic Care	1	2	2	2	0	
	SD00133	永續地景與協力營造	Sustainable Landscape and Cooperation Construction	1	2	2	2	0	
	SD00197	永續地景與協力營造實務	Sustainable Landscape and Cooperation Construction Practice	1	2	2	2	0	
	SD00135	流域環境管理概論	Introduction to Watershed Management	1	2	2	2	0	
	SD00198	流域環境管理實務	Watershed Management Practice	1	2	2	2	0	
	SD00137	地球科學概論	Introduction to Geoscience and Earth History	1	2	2	2	0	
	SD00138	應用生態學	Applied Ecology	1	2	2	2	0	
	SD00199	應用生態學實務	Applied Ecology Practice	1	2	2	2	0	
	SD00140	環境法與可持續性	Environmental Law and Sustainability	1	2	2	2	0	
	SD00210	生物統計學	Biostatistics	1	2	2	2	0	
	SD00058	環境採樣與分析	Environment sampling and analysis	2	1	2	2	0	
	SD00129	電腦輔助設計	Computer aid design	2	1	2	2	0	
	SD00143	保育生物學	Conservation Biology	2	1	2	2	0	
	SD00200	保育生物學實務	Conservation Biology practice	2	1	2	2	0	
	SD00145	天氣與氣候學概論	Introduction to Meteorology and Climatology	2	1	2	2	0	
	SD00148	場域規劃與設計	Site Planning and Design	2	1	2	2	0	
	SD00203	場域規劃與設計實務	Site Planning and Design Practice	2	1	2	2	0	
	SD00150	成為創變客：談社會革新概論	Becoming a Changemaker: Introduction to Social Innovation	2	1	2	2	0	
	SD00151	環境領導和意識發展	Environmental Leadership and Consciousness Development	2	1	2	2	0	
	SD00201	氣候學實務	Climatological Practices	2	1	2	2	0	
	SD00202	氣候資料分析、預測及實務	Meteorological Data Analysis, Forecasting and Practice	2	1	2	2	0	

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obligatory / elective course	No.	course name(ch)	course name	grade	semester	credit	hours/week instruction	parctice	Remark
dep. course-elective	SD00099	工業污染	Industrial Pollution	2	2	2	2	0	
	SD00154	水與廢水處理及再利用	Water and Wastewater Treatment and Reuse	2	2	2	2	0	
	SD00155	海岸地區之脆弱與社會議題	Coastal Areas, Hazards, and Society	2	2	2	2	0	
	SD00156	食農社會學	Sociology of Food and Agriculture	2	2	2	2	0	
	SD00204	食農社會學實務	Sociology of Food and Agriculture Practice	2	2	2	2	0	
	SD00158	可負擔之清潔能源	Affordable and Clean Energy	2	2	2	2	0	
	SD00159	氣候變遷減緩及調適	Mitigation and Adaptation to Climate Change	2	2	2	2	0	
	SD00161	海洋學與氣候變遷	Oceanography and Climate Change	2	2	2	2	0	
	SD00162	原住民經濟發展策略	Indigenous Economic Development Strategy	2	2	2	2	0	
	SD00205	氣候變遷減緩及調適實務	Mitigation and Adaptation to Climate Change Practice	2	2	2	2	0	
	SD00042	環境毒物學	Environmental toxicology	3	1	2	2	0	
	SD00163	應用湖泊學與濕地管理	Applied Limnology & Wetland Management	3	1	2	2	0	
	SD00164	氣候變遷：全球挑戰與在地因應	Climate Change: Global Challenges and Local Responses	3	1	2	2	0	
	SD00167	市場永續性	Sustainability marketing	3	1	2	2	0	
	SD00169	氣候變遷及公共健康	Climate Change and Public Health	3	1	2	2	0	
	SD00206	社區規劃導論	Introduction to Community Planning	3	1	2	2	0	
	SD00208	氣候變遷與健康：從理論到實務	Climate Change and Health: From Theory to Practice	3	1	2	2	0	
	SD00068	環境影響評估	Environmental impact assessment	3	2	2	2	0	
	SD00122	地理資訊系統	Geographic information system	3	2	2	2	0	
	SD00168	植栽與地景	Plants and Landscape	3	2	2	2	0	
	SD00171	資源回收與廢棄物管理	Recycling and Waste Management	3	2	2	2	0	
	SD00172	環境污染整治	Environmental Remediation	3	2	2	2	0	
	SD00173	文化與自然資產保存	Cultural and Natural Heritage Conservation	3	2	2	2	0	
	SD00174	人權與永續發展	Human Rights and Sustainable Development	3	2	2	2	0	
	SD00176	環境安全與和平	Environmental Security and Sustaining Peace	3	2	2	2	0	

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dep. course-elective	SD00195	行為安全與生活	Behavior-Based Safety and Life	3	2	2	2	0	
	SD00207	社區規劃實務	Community Planning Practice	3	2	2	2	0	
	SD00193	根與芽行動實習 I	Roots & Shoots Internship I	4	1	9	0	9	
	SD00165	生態旅遊之挑戰與機會	Ecotourism: Challenges and Opportunities	4	2	2	2	0	
	SD00175	綠建築原則與實務	Green Building Principles and Practices	4	2	2	2	0	
	SD00209	氣候變遷脆弱度調查實務	Limate Change Resilience in Practice	4	2	2	2	0	

obligatory 51

elective course 77

credit sum 128

The maximum elective credits from other departments that can be counted is　　15