

NTU's Courses on Climate Science and Environmental Sustainability

No.	Course Name	Credits
1	氣候變遷與環境生態 / Climate Change and Environmental Ecology	3
2	環境工程一 / Environmental Engineering (I)	3
3	環境工程二 / Environmental Engineering (II)	3
4	生態毒物學概論 / Introduction to Ecotoxicology	3
5	農業與環境 / Agriculture and the Environment	3
6	流域分析與模擬 / Watershed Analysis and Modeling	3
7	永續治理與影響力 / Sustainability Governance and Impact	3
8	工程、倫理與法律 / Engineering, Ethics and Law	3
9	城市雨洪管理與低衝擊開發 / Urban Stormwater Management and Low Impact Development	3
10	永續綠建築 / Sustainable Green Building	3
11	建築環境控制 / Building Environment Control	3
12	建築物理與永續設計 / Building Physics and Sustainable Design	3
13	生態工程 / Ecological Engineering	3
14	森林環境監測 / Monitoring Forest Environment	3
15	淨零碳排農業概論 / Introduction to Net Zero Carbon Emission Agriculture	3
16	森林碳匯與碳權交易 / Forest Carbon Sink and Carbon Credit Trading	3
17	溫室氣體與動物農業 / Greenhouse Gas and Animal Agriculture	3
18	環境評估 / Environmental Assessment	3
19	氣候變遷衝擊與因應 / The Impact and Adaptation of Climate Change	2
20	生物海洋學 / Biological Oceanography	3
21	海洋生態學 / Marine Ecology	3
22	族群生態與漁業資源永續 / Population Ecology and Sustainable Fisheries Resources	3
23	海洋魚類分類研究及實作 / Marine Fish Taxonomy and Practice Work	2
24	海洋保育生物學 / Marine Conservation Biology	2
25	變動環境中的珊瑚礁生態系 / Coral Reef Ecosystem in a Changing World	3
26	海洋生態永續專題 / Topics in Marine Ecology and Sustainability	1
27	前瞻議題I & II: 氣候服務與環境永續 / Frontier Research Topic I&II: Climate Service and Environmental Sustainability	1
28	都市微氣候研究專題討論 / Special Topics on Urban Microclimatology Research	3
29	氣候資料分析及數據應用 / Analysis and Application of Climate Data	2
30	大氣測計學 / Atmospheric Measurement and Instrumentation	3
31	天氣學一 / Synoptic Meteorology (I)	2
32	天氣學實習一 / Lab. of Synoptic Meteorology (I)	1
33	氣候變遷問題與對策 / Climate Change: Issues and Solutions	3
34	環境政治與政策專題 / Seminar on Environmental Politics and Policy	2
35	淨零碳排與永續轉型治理 / Net-Zero and sustainability transition governance	3
36	氣候變遷與社會 / Climate Change and Society	3
37	都市社會生態系專題討論 / Seminar on Urban Social-Ecological Systems	3
38	永續性的文化研究方法 / Cultural Approach for Sustainability	3
39	近現代文學批評 (一) : 人文環境的反思 / Modern Literary Criticism I: Rethinking the Humanistic Environment	3
40	天/空氣：自然與社會 / Air/Sky: Nature and Culture	3
41	森林生物多樣性概論 / Introduction to Forest Biodiversity	3
42	氣候變遷對策：地球急轉彎 / Bending the Curve: Climate Change Solutions	2
43	環境法 / Environmental Law	2
44	前瞻議題I & II: 氣候服務與環境永續 / Frontier Research Topic I&II: Climate Service and Environment	1
45	前瞻議題III & IV: 微型感測與災害治理 / Frontier Research Topic III&IV: Micro Environmental Monitoring and Disaster Management	1
46	淨零排放路徑的情境探索與政策設計 / Pathways towards Net-Zero : Scenario Exploration and Policy Design	2

47	水質保護與流域管理 / Water Quality Protection and Watershed Management	3
48	森林保護學 / Forest Protection	3
49	氣候變遷導論 / Introduction to Climate Change	2
50	族群生態與漁業資源永續 / Population Ecology and Sustainable Fisheries Resources	3
51	氣候變遷與人居环境議題實作 / Workshop on Climate Change and Human Settlements	2
52	永續轉型理論與應用 / Sustainability Transitions: Theory and Practices	2
53	理解氣候變遷 / Understanding Climate Change	2
54	聯合國永續目標與校園實作 / Sustainable Development Goals	2
55	IPCC氣候變遷第六次評估報告深入探討 / Understanding the Fundamental Question of Climate Change from IPCC AR6	3
56	IPCC氣候變遷第六次評估報告導讀與運用 / The Guide Reading and Application of the IPCC	3
57	中國與全球氣候治理專題 / Seminar on China and Global Climate Governance	2
58	氣候變遷與永續發展專題 / Seminar on Climate Change and Sustainable Development	2
59	綠色交通與永續發展 / Green Mobility and Sustainable Development	3
60	企業永續實務 / Practice in Corporate Sustainability	3
61	永續化學科技導論 I / Introduction to Sustainable Chemical Science & Technology I	3
62	永續化學科技導論 II / Introduction to Sustainable Chemical Science & Technology II	3
63	氣候變遷與環境生態 / Climate Change and Environmental Ecology	3
64	永續綠建築 / Sustainable Green Building	3
65	氣候變遷與森林生態系 / Climate Change and Forest Ecosystem	3
66	氣候變遷衝擊與因應 / The Impact and Adaptation of Climate Change	2
67	園藝作物永續生產策略 / Strategies in Sustainable Horticultural Crop Production	2
68	永續社會發展 / Sustainable Social Development	3
69	永續農糧傳播專題 / Sustainable Agri-Food Communication	3
70	環境永續微生物學特論 / Special Topics on Microbiology for Environmental Sustainability	3
71	永續科技-室內環境品質與健康 / Sustainability Science and Technology – Indoor Environmental Quality and Health	3
72	氣候變遷法專題研究 / Seminar on Climate Change Law	2
73	氣候變遷與生態 / Climate Change and Ecology	2
74	環境教育 / Environmental Education	2
75	環境倫理 / Environmental Ethics	2
76	人文與自然資源 / Human Dimensions of Natural Resources Management	3
77	環境教育教材教法 / Pedagogy and Curriculum Design in Environmental Education	3
78	環境教育實務 / Practicum in Environmental Education	2
79	森林生態與育林學概論 / Introduction to Forest Ecology and Silviculture	3
80	生物多樣性概論 / Introductory Biodiversity	3
81	樹木學及實習 / Dendrology and Practice	3
82	育林學 / Silviculture	3
83	森林生態學 / Forest Ecology	3
84	土壤有機物管理與碳匯 / Soil Organic Matter Management and Carbon Sink	3
85	生物材料碳匯與能源 / Biomaterial Carbon Sink and Energy	3
86	林業碳匯實務 / Practices in Forest Carbon Sink	3