Course Structure for Ph. D Program
, Graduate Institute of Sustainability Management and Environmental Education
National Taiwan Normal University

Adaptive to Class of	Required Credit(s)	Elective Credit(s)	Free Elective Credit(s)	Minimum Total Credits for Graduation
115	8.0	14.0	0.0	22.0

Note: The first alphabet ”E” on the course name refers to the course in English as a medium of instruction

I. Required Courses: 8.0 credits are required

Course Code	Course Name	Credit(s)	Credit Unit		Note
			Lecture Hour	Lab/Practice Hour	
EEC8069	1 E Seminar (I)	2.0	2.0	0.0	
EEC8070	2 E Seminar (II)	2.0	2.0	0.0	
EEC8071	3 E Seminar (III)	2.0	2.0	0.0	
EEC8072	4 E Seminar (IV)	2.0	2.0	0.0	

II. Elective Courses: 0.0 credit is required

III. Courses Offered to Students in Different Divisions

Required Course, 0.0 credit is required

Elective Course: 14.0 credits are required

Course Code	Course Name	Credit(s)	Credit Unit		Note
			Lecture Hour	Lab/Practice Hour	
EEC8022	1 E Studies in Environmental Education	3.0	3.0	0.0	
EEC8048	2 E Environmental Science	3.0	3.0	0.0	
EEC8056	3 E Research Methodology	3.0	3.0	0.0	
EEC8065	4 E Research on Sustainability Management	3.0	3.0	0.0	
EEC8074	5 E Environmental Monitoring and Remediation	3.0	3.0	0.0	
EEC8075	6 E Recycling and Waste Management	3.0	3.0	0.0	
EEC8076	7 E Climate Change Adaptation and Mitigation	3.0	3.0	0.0	
EEC8010	8 E Sustainability Sciences	3.0	3.0	0.0	
EEC8012	9 E Methods for Eco-information Analysis	3.0	3.0	0.0	
EEC8024	10 E Research Methodology of Environmental Education	3.0	3.0	0.0	
EEC8049	11 E Environmental Information and Spatial Visualization	3.0	3.0	0.0	
EEC8050	12 E International Environmental Communication	3.0	3.0	0.0	
EEC8051	13 E Environmental Systems Analysis	3.0	3.0	0.0	
EEC8079	14 E Climate Change and Disaster Risk	3.0	3.0	0.0	
EEC8059	15 E Conservation Psychology	3.0	3.0	0.0	
EEC0035	16 E Philosophy of Recreation and Leisure	3.0	3.0	0.0	
EEC8003	17 E Wetlands Environmental Education	3.0	3.0	0.0	
EEC8066	18 E Climate Change and Society Studies	3.0	3.0	0.0	
EEC8081	19 E Agricultural Tourism and Sustainable Management of Natural Resources	3.0	3.0	0.0	
EEC8002	20 E Environmental Ethics	3.0	3.0	0.0	
EEC8027	21 E Environmental Communication	3.0	3.0	0.0	
EEC8087	22 Ecosystem Services and Natural Capital	3.0	3.0	0.0	
EEC8086	23 Statistical Analysis for Sustainable Behavior and Management	3.0	3.0	0.0	
EEC8085	24 Artificial Intelligence and Its Applications in Sustainability Management	3.0	3.0	0.0	
EEC8088	25 E Resource Economics	3.0	3.0	0.0	

IV. Free Elective Credits: 0.0 credit is required