Course Structure for Ph. D Program
Taiwan International Graduate Program on Biodiversity
National Taiwan Normal University

Adaptive to Class of	Required Credit(s)	Elective Credit(s)	Free Elective Credit(s)	Minimum Total Credits for Graduation
112	12.0	6.0	0.0	18.0

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

I. Required Courses: 12.0 credits are required

Course Code	Course Name	Credit(s)	Credit Unit		Note
			Lecture Hour	Lab/Practice Hour	
DIC8042	1 E Population Genetics and Evolution A	3.0	3.0	0.0	
DIC8001	2 E Ecology and Conservation	3.0	3.0	0.0	
DIC8027	3 E Lab Rotations	1.0	1.0	0.0	This course must be retaken with a passing score for 2 times
DIC8026	4 E Seminar	1.0	1.0	0.0	This course must be retaken with a passing score for 4 times

II. Elective Courses: 6.0 credits are required

Direct Admission to Doctoral Program from Master's Program must Practice 18 credits

Course Code	Course Name	Credit(s)	Credit Unit		Note
			Lecture Hour	Lab/Practice Hour	
DIC8029	1 E Biological Modeling	3.0	3.0	0.0	
DID0001	2 E Marine Ecosystems	3.0	3.0	0.0	
DID0015	3 E Omic Approaches in Ecology	3.0	3.0	0.0	
DID0002	4 E Advanced Seminars	1.0	1.0	0.0	
DIC8012	5 E Biostatistics	3.0	3.0	0.0	
DID0012	6 E Molecular Evolution A	3.0	3.0	0.0	
DIC8033	7 E Evolutionary Biology A	3.0	3.0	0.0	
DIC8034	8 E Systematics A	3.0	3.0	0.0	
DIC8035	9 E Biodiversity A	3.0	3.0	0.0	
DIC8036	10 E Behavioral Ecology A	3.0	3.0	0.0	
DIC8037	11 E Population Ecology A	3.0	3.0	0.0	
DIC8038	12 E Topics on Bioinformatics A	3.0	3.0	0.0	
DIC8039	13 E Biomathematics A	3.0	3.0	0.0	
DIC8040	14 E Writing and Presentation of Biological Research A	3.0	3.0	0.0	
DIC8041	15 E Adaptation and Selection A	2.0	2.0	0.0	
DIC8043	16 E Ecological and Evolutionary Genomics A	3.0	3.0	0.0	
DID0004	17 E Disease Ecology A	3.0	3.0	0.0	
DIC8045	18 E Conservation Biology A	3.0	3.0	0.0	
DIC8046	19 E Biogeography A	3.0	3.0	0.0	
DIC8047	20 E Microbial Ecology and Diversity	3.0	3.0	0.0	
DID0003	21 E Advanced Microbiology	3.0	3.0	0.0	
DID0008	22 E Estuary Ecology	3.0	3.0	0.0	
DID0006	23 E Ecosystem Ecology	3.0	3.0	0.0	
DID0007	24 E Ecological Statistics	3.0	3.0	0.0	
DID0005	25 E Molecular Phylogeny	3.0	3.0	0.0	
DID0009	26 E Advanced Bioinformatics	3.0	3.0	0.0	
DID0011	27 E Ecology Masterclass at Taiwan	3.0	3.0	0.0	
DID0013	28 E Diversity and Evolution of Eukaryotes	3.0	3.0	0.0	
DID0014	29 E Geospatial Information Technology and Analysis	3.0	3.0	0.0	

III. Free Elective Credits: 0.0 credit is required