

Course Structure for M.A. Program
GPE, Department of Earth Sciences
National Taiwan Normal University

Adaptive to Class of	Required Credit(s)	Elective Credit(s)	Free Elective Credit(s)	Minimum Total Credits for Graduation
110	4.0	21.0	0.0	25.0

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

I. Required Courses: 4.0 credits are required

Course Code	Course Name	Credit(s)	Credit Unit		Note
			Lecture Hour	Lab/Practice Hour	
ESM0194	1 E Seminar (I)	1.0	2.0	0.0	
ESM0195	2 E Seminar (II)	1.0	0.0	2.0	
ESM0196	3 E Seminar (III)	1.0	2.0	0.0	
ESM0197	4 E Seminar (IV)	1.0	0.0	2.0	

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: 21.0 credits are required

Course Code	Course Name	Credit(s)	Credit Unit		Note
			Lecture Hour	Lab/Practice Hour	
ESC0133	1 E Sequence Stratigraphy	3.0	3.0	0.0	
ESC0242	2 E Advanced Synoptic Meteorology	3.0	3.0	0.0	
ESC0257	3 E Climate Change	3.0	3.0	0.0	
ESC0268	4 E Strain Analysis	3.0	3.0	0.0	
ESC0271	5 E Advanced Structural Geology	3.0	3.0	0.0	
ESC8036	6 E Core-Log Integration	3.0	3.0	0.0	
ESC8045	7 E Stress Regimes in Lithosphere	3.0	3.0	0.0	
ESC8047	8 E Theoretical Geophysics	3.0	3.0	0.0	
ESC9003	9 E Earthquakes of the Week	3.0	3.0	0.0	
ESC9016	10 E Planetary Geology	3.0	3.0	0.0	
ESC8014	11 E Topics on Seismology	3.0	3.0	0.0	
ESC0129	12 E Geochemistry	3.0	3.0	0.0	
ESC9019	13 E Introduction to Marine Geology	3.0	3.0	0.0	
ESC9033	14 E Tools for Modern Astronomy	3.0	3.0	0.0	
ESC0123	15 E Stable Isotope Geology	3.0	3.0	0.0	

IV. Free Elective Credits: 0.0 credit is required