

Department of Earth Sciences Courses List (2024 Spring) – Undergraduate Program

Note :

1. The number with the break () indicates the credits.
2. Color Code: **Eligible Course**, **Astronomy**, **Atmospheric Science**, **Geology**, **Geophysics**, **Ocean**, **Sci. Edu./Edu. Program** , **Integrated Course**.
3. Course with “*” are Master Joint Courses; courses in bold and italic are taught in English in the corresponding semester.

112-2 (2024 Spring)	Required	Selected
Freshman (Year 1)	Astronomy(including Lab.)(3) General Meteorology(including Lab.)(3) Introduction to Oceanography(including Lab.)(3)	Earthquake Observation and Disaster(2)
Sophomore (Year 2)		Applied Mathematics (II)(3) The Development of Cosmology(3) Petrology (including Lab.)(3)*
Junior (Year 3)		Atmospheric Dynamics (II)(3)* Computer Application in Earth Sciences(3) Meteorological Statistics(3)* Earth Science Aspects of Renewable Energy(2)* Field Geology (including Lab.)(3)* Geology of Taiwan(3)* Petroleum Geochemistry(3)* Regional Geology(3)* Stable Isotope Geology(3)* Volcanology and Volcanic Hazards (Including Lab.)(3)* Geophysical Planetary Exploration(3)* Introductory Marine Biology(3)* Satellite Data Analysis Techniques Applied to Oceanography(3)* Inquiry and Practical Work in Science(2)* Earth System and Comparative Planetology(3)* Earth System Sciences and Disaster Risk Assessment(3)*
Senior (Year 4)		Teaching Practicum: Earth Sciences(I)(2)