

COURSES CODE	COURSES NAME	SKS	CHARACTERISTIC
FI1101	Elementary Physics IA	4	Mandatory
FI1201	Elementary Physics IIA	4	Mandatory
GD2001	Introduction to Surveying	2	Mandatory
GL2111	Physical Geology	3	Mandatory
GL2141	Crystallography and Mineralogy	3	Mandatory
GL2151	Sedimentology	3	Mandatory
GL2212	Structural Geology	3	Elective
GL2213	Tectonophysics	2	Elective
GL2242	Petrology	3	Elective
GL2252	Principal Stratigraphy	2	Elective
GL3251	Petroleum Geology	3	Elective
GL4052	Well Log Analysis	2	Elective
KI1101	General Chemistry IA	3	Mandatory
KI1201	General Chemistry IIA	3	Mandatory
KU1001	Sports	2	Mandatory
KU1011	Indonesian Language: Scientific Writing	2	Mandatory
KU1072	Introduction to Information Technology B	2	Mandatory
KU1101	Introduction to Engineering and Design I	2	Mandatory
KU1164	Introduction to Mineral and Energy Resources	2	Mandatory
KU1201	Introduction to Engineering and Design II	2	Mandatory
KU2071	Pancasila and Civic Education	2	Elective
MA1101	Mathematics IA	4	Mandatory
MA1201	Mathematics IIA	4	Mandatory
TA4102	Mineral Economics	3	Elective
TG2101	Geomathematics I	3	Mandatory
TG2102	GeophysicalElectronic	3	Mandatory
TG2111	General Geophysics	2	Mandatory
TG2203	Geomathematics II	3	Mandatory
TG2204	Potential Theory	2	Mandatory
TG2205	Wave in Geophysics	3	Mandatory
TG2240	Computing in Geophysics	3	Mandatory
TG3106	Geophysical Instrumentation	3	Mandatory
TG3108	Geophysical Thermodynamics and fluid dynamic	3	Mandatory
TG3109	Refraction Seismic	3	Mandatory
TG3110	Geophysical Signal Processing	3	Mandatory
TG3113	Inversi Geofisika	3	Elective
TG3120	Seismology	3	Mandatory
TG3222	Geodynamics	2	Mandatory
TG3241	Geo-electromagnetism	3	Mandatory
TG3260	Gravity & Magnetics	3	Mandatory
TG3261	Seismic Data Acquisition	3	Mandatory
TG3262	Geo-Statistics	2	Mandatory
TG3290	Fieldwork	3	Mandatory
TG4028	Geophysical Exploration	2	Elective
TG4029	Capita of Selecta in Geophysics	2	Elective

TG4063	Special Topic in Geophysics	2	Elective
TG4067	Job training	2	Elective
TG4091	Final Project II	3	Mandatory
TG4092	Final Project I	2	Mandatory
TG4116	Communication in Geophysics	2	Mandatory
TG4128	Geotomography	3	Elective
TG4142	Engineering & Environmental Geophysics	3	Mandatory
TG4162	Seismic Interpretation	3	Mandatory
TG4166	Rock Physics	2	Elective
TG4168	Seismic Statigraphy	2	Elective
TG4169	Earth CrustMechanics	2	Mandatory
TG4223	Numerical Simulation of The Earthquake	3	Elective
TG4225	Applied Seismology	2	Elective
TG4226	Physics of the Earth s Interior	2	Elective
TG4227	Fault Mechanics	2	Elective
TG4243	Volcanology and Geothermal Exploration	3	Mandatory
TG4264	Seismic Inversions for Reservoar	3	Elective
TG4265	Seismic Attributes for Reservoar	2	Elective
TG4269	Economical geophysics and Management	2	Elective
TG5133	Hidrogeophysics	2	Elective
TG5149	Microseismic	2	Elective
TG5245	Explorasi Geothermal	2	Elective
TG6042	Mining Geopgysics	2	Elective