

COURSES CODE	COURSES NAME	SKS	CHARACTERISTIC
EP2274	Electrical Power Engineering	2	Elective
FI1101	Elementary Physics IA	4	Mandatory
FI1201	Elementary Physics IIA	4	Mandatory
GD2003	Introduction to Mapping	3	Mandatory
GL2111	Physical Geology	3	Mandatory
GL2212	Structural Geology	3	Mandatory
GL2213	Tectonophysics	2	Mandatory
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
MA2021	Matrices and Vector Spaces	3	Mandatory
MA2081	Elementary Statistics	3	Mandatory
MG3017	Mineral Processing	3	Mandatory
MG3114	Beneficiation of Industrial Mineral	2	Elective
MS2042	Prime Movers	2	Elective
TA2103	Engineering Mechanics	2	Mandatory
TA2104	Fluid Mechanics	2	Mandatory
TA2105	-	4	Mandatory
TA2106	-	2	Mandatory
TA2201	Numerical Method	2	Mandatory
TA2203	Thermodynamics for Mining Engineering	2	Mandatory
TA2204	-	4	Mandatory
TA2204	-	0	Elective
TA2205	-	3	Mandatory
TA3011	-	2	Elective
TA3012	-	2	Elective
TA3013	-	2	Elective
TA3101	Genesis of Mineral Deposit	3	Mandatory
TA3101	Genesis of Mineral Deposit	0	Elective
TA3104	Mine Investment Analysis	2	Mandatory
TA3104	Mine Investment Analysis	0	Elective
TA3105	-	4	Mandatory
TA3105	-	0	Elective
TA3105	-	4	Mandatory
TA3106	-	1	Mandatory
TA3106	-	1	Mandatory
TA3111	Mining Exploration Technique	2	Mandatory

TA3112	-	2	Mandatory
TA3121	Mine Ventilation	2	Mandatory
TA3122	-	3	Mandatory
TA3202	Mining Geotechnics	2	Mandatory
TA3203	Mine Valuation	2	Mandatory
TA3204	-	3	Mandatory
TA3204	-	3	Mandatory
TA3211	Exploration Mapping	2	Mandatory
TA3213	Exploration Geochemistry and Ore Analysis	2	Mandatory
TA3214	-	2	Mandatory
TA3224	-	2	Mandatory
TA3225	-	3	Mandatory
TA4011	Exploration and Evaluation of Geothermal	2	Elective
TA4012	Geotechnical Site Investigation	2	Elective
TA4013	-	2	Elective
TA4016	-	2	Elective
TA4017	-	2	Elective
TA4021	-	2	Elective
TA4097	-	2	Mandatory
TA4098	-	3	Mandatory
TA4103	Mining Environment	3	Mandatory
TA4104	-	1	Mandatory
TA4112	Management of Exploration	2	Mandatory
TA4114	Unconventional Energy Resources	2	Elective
TA4115	Statistical Evaluation in Mineral Exploration	2	Elective
TA4116	-	2	Mandatory
TA4117	-	3	Mandatory
TA4121	Underground Stability	2	Mandatory
TA4122	Mine Management	2	Mandatory
TA4124	-	4	Mandatory
TA4201	Occupational Health, Safety and Human Resources	2	Mandatory
TA4201	Occupational Health, Safety and Human Resources	0	Elective
TA4202	Mining Policy	2	Mandatory
TA4202	Mining Policy	0	Elective
TA4212	Coal Genesis and Coal Exploration	3	Elective
TA4213	Mineragraphy	3	Mandatory
TA4221	Tunneling Technique	2	Elective
TA4223	-	4	Mandatory