

COURSES CODE	COURSES NAME	SKS	CHARACTERISTIC
TA8000	Mineral Resource Development Policy	3	Elective
TA8001	Evaluation of Mineral and Coal Exploration	3	Elective
TA8002	Mineral and Coal Reserves Modeling	3	Elective
TA8003	Comprehensive Study in Mining	3	Elective
TA8004	Rock Engineering	3	Elective
TA8006	Advanced Electrochemical Engineering	3	Elective
TA8007	Advanced Electroplating	3	Elective
TA8008	Advanced Metal Characterization	3	Elective
TA8009	Advanced Surface Engineering	3	Elective
TA8010	Experimental Design & Optimization	3	Elective
TA8011	Advanced Transport Phenomena	3	Elective
TA8012	Advanced Heat and Surface Treatment	3	Elective
TA8014	Advanced Diffusion in Solids	3	Elective
TA8015	Advanced Metallurgical Process Kinetic	3	Elective
TA8091	Qualification Examination	3	Mandatory
TA8092	Proposal Writing	5	Mandatory
TA8093	Research and Seminar 1	5	Mandatory
TA8094	Research and Seminar 2	5	Mandatory
TA8095	Research and Seminar 3	5	Mandatory
TA8096	Research and Seminar 4	5	Mandatory
TA8101	Research Methodology	3	Mandatory
TA8102	Philosophy of Science	3	Mandatory
TA9099	Dissertation Defense	3	Mandatory