Curriculum courses for M.Sc. Degree in Mining Exploration:

Course Code	Course Title	Credits	Course Type
12501	Feasibility Study of Projects	2	Core
12502	Advanced Mathematics	3	Core
12503	Designing Exploration Geophysics Projects	2	Core
12504	Designing Exploration Geochemistry Projects	2	Core
12505	Geostatistics	2	Core
12506	Exploration of Metallic Mineral Deposits	2	Core
12507	Exploration of Non-Metallic Mineral Deposits	2	Core
12510	Advanced Geotechnics	2	Elective
12512	Seminar	2	Core
12513	Sampling	2	Elective
12516	Advanced Geology of Iran	2	Elective
12524	Project	6	Core
12526	Iran Metallogeny	2	Elective
12527	Advanced Mineral Processing	2	Elective
12529	Operational Research	2	Elective
12531	Petroleum Geology	2	Elective
12530	Mineral Economics	2	Elective
12532	Industrial Management	2	Elective
12533	Applications of Minerals	2	Elective
12534	Applied Geochemistry	2	Elective
12535	Advanced Hydrogeology	2	Elective
12536	Remote Sensing	2	Elective

Curriculum for M. Sc. Degree in Rock Mechanics:

Course Code	Course Title	Credits	Course Type
16550	Advanced Rock Mechanics	2	Core
16552	Fundamentals of Elasticity	3	Elective
16553	Advanced Open Pit Mine Excavation Design	2	Core
16554	Theory of Continum and Discontinum Mechanics	3	Core
16555	Advanced Underground Excavation Design	3	Core
12556	Numerical Methods in Rock Mechanics and Foundation	3	Elective
12502	Advanced Mathematics	3	Core
12557	Field Test and Instrumentation	2	Elective
12510	Advanced Geotechnics	2	Elective
12512	Seminar	2	Core
12524	Thesis Project	6	Core
12532	Industrial Management	2	Elective
12535	Advanced Hydrogeology	2	Elective