

M.Sc. MARINE GEOLOGY COURSE STRUCTURE

I Semester

Course Code	Paper	Core/Elective	Credit
MGO 2101	Mineralogy	C	3
MGO2102	Physical Geology and Geomorphology	C	3
MGO2103	Structural Geology	C	3
MGO 2104	Invertebrate Paleontology and Stratigraphy	C	3
MGO 2105	Mineralogy (Practical)	C	1
MGO 2106	Structural Geology (Practical)	C	1
MGP 2104	Remote sensing and GIS	E	3
MGP 2107	Computations in Earth Sciences(Practical)	E	2
MGP 2108	General Geology	E	3

II Semester

Course Code	Paper	Core/Elective	Credit
MGO 2201	Igneous and Metamorphic Petrology	C	3
MGO2202	Geochemistry	C	3
MGO2203	Economic Geology	C	3
MGO 2204	Groundwater Geology	C	3
MGO 2205	Petrology and Economic Geology (Practical)	C	1
MGO 2206	Geochemistry (Practical)	C	1
MGO 2207	Engineering Geology	E	2
MGO 2208	Geological Mapping(Practical)	E	1
MGP 2202	Seismology	E	3
MGP 2203	Digital Signal Processing	E	3
MGP 2204	Electrical and Electromagnetic Prospecting	E	3

III Semester

Course Code	Paper	Core/Elective	Credit
MGO 2301	Marine Geology	C	3
MGO 2302	Marine Mineral Resources	C	2
MGO 2303	Marine Micropaleontology and Paleooceanography	C	3
MGO 2304	Sedimentary Geology	C	3
MGO 2305	Geophysics and offshore exploration	C	2
MGO 2306	Marine Geology (Practical)	C	1
MGO 2307	Invertebrate and Micropaleontology (Practical)	C	1
MGO 2308	Sedimentary Geology (Practical)	C	1
MGO 2309	Clay and Clay Minerals	E	2
MGO 2310	Environmental Geology and Disaster Management	E	3
MGP 2301	Seismic Prospecting	E	3
MGP 2302	Well Logging	E	3
MGP 2303	Geophysical Field Work (Practical)	E	1

IV Semester

Course Code	Paper	Core/Elective	Credit
MGO 2401	Coastal processes and Evolution	C	3
MGO2402	Marine Environments and Sediments	C	3
MGO 2403	Indian Stratigraphy	C	2
MGO 2404	Coastal Geology (Practical)	C	1
MGO 2405	Project Work	C	7
MGP 2401	Geodynamics	E	3
MGP 2403	Petroleum Geology	E	3