

School for Earth and Environmental Sciences
Babasaheb Bhimrao Ambedkar (Central) University, Lucknow
M.Sc. Geology Course Structure

Open Elective

<u>Semester I (Summer)</u>				
Subject	Subject Code	Title	Type Of Course	Credits
Geology	MSG-106	Fundamentals of Geology	Open Elective	4 (Theory)

<u>Semester II (Winter)</u>				
Subject	Subject Code	Title	Type Of Course	Credits
Geology	MSG-206	Application of Geosciences	Open Elective	4 (Theory)

MSG-106 Fundamentals of Geology (Open Elective, 4 Credits)

Concept and properties of minerals and rocks, Rock forming minerals, Sedimentation and sedimentary rocks, basic concepts of igneous rocks, quaternary geology, geological time scale and its implications; basic concept of metamorphic rocks, hydrological cycle, Structural geology and Himalayan geology, internal structure of earth; renewable and non-renewable source of energy, petroleum, its different states of natural occurrence, chemical composition and physical properties, Earthquake, Tsunami, Landslides, Major Land forms, Natural Hazards

MSG-206 Application of Geosciences (Open Elective, 4 Credits)

Remote sensing and its application, Satellites and orbits, Laws of thermodynamics and magnetic properties of minerals; Environmental Geology, Stratification of atmosphere; Periodic properties and radiochemistry and basics of physical chemistry; Geomorphic agent and its structure, properties of sea water