

IV Semester Integrated M Sc course in Earth Sciences

ES401. Dynamic Earth (3 credits)

KS 252

Objectives and scope of studying planet earth

Earth's four spheres: Geosphere, Atmosphere, Hydrosphere and biosphere. Interactions among the different spheres of the planet Earth.

Physical features of the planet earth: Oceanic and continental domains

Rivers and glaciers. Weathering and erosion.

Landscapes and their evolution.

Dynamic Earth: Earth as a heat engine. Volcanoes, Earth quakes, Tsunamis, Land slides, Drifting of continents and plate tectonics.

Basics of ocean and atmospheric circulation.

Evolution of life through time.

Human influence on the functioning of planet earth





































