

Name of Programme: M. Sc. Applied Geology

Course Code: GEO-515

Title of the Course: Practical of Principles and Stratigraphy and Indian Geology

No of Credits: 01

Effective from AY: 2022-23

Prerequisites for the course:	Degree of Bachelor of Science in Geology from any UGC recognized University or an equivalent examination.	
Objective:	To make use of stratigraphic principles in correlation with different stratigraphic units and to understand the location and distribution of different stratigraphic units in India.	
Content:	Module 1: Study of rocks in hand specimens from Indian stratigraphic horizons and type localities. Module 2: Exercises on stratigraphic classification and correlation. Preparation of stratigraphic range charts. Module 3: Study of geological map of India and identification of major stratigraphic units. Locating/drawing of stratigraphic units in outline map of Goa and India.	30 hours
Pedagogy:	Lectures / Seminars/ Self-study	
References/Readings	<ol style="list-style-type: none">1. Krishnan, M. S. (1982) <i>Geology of India and Burma</i>, CBS Publishers, Delhi2. Doyle, P. and Bennett, M. R. (1996) <i>Unlocking the Stratigraphic Record</i>. John Wiley3. Ramakrishnan, M. and Vaidyanadhan, R. (2008) <i>Geology of India</i> Volumes 1 and 2, Geological Society of India, Bangalore.	
Course outcomes	<ol style="list-style-type: none">1. Students will understand the principles of stratigraphy and its use.2. Learn about different techniques which are used in correlation .3. The students will get acquainted with distribution of important Groups and Supergroups in India.4. Learn about important lithological characteristic association with different formations in India.	