

Name of Programme: M. Sc. Applied Geology

Course Code: GEO-522

Title of the Course: Practical of Marine 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 provide a conceptual understanding of identification of marine minerals and preparing profiles of beaches, coastal landforms and ocean features.	
Content:	Study of marine minerals in hand specimen and under microscopy, identification of micro fossils, granulometric analysis, beach profile mapping and beach survey, preparation of coastal geomorphology map from satellite images, understanding the maps relating to of ocean morphometry, resources and tectonics.	30 hours
Pedagogy:	Lectures/ tutorials/assignments/field study/discussion	
References/Readings	<ol style="list-style-type: none">1. Michael J. Kennish <i>Practical Handbook of Marine Science, Fourth Edition</i>, CRC Press.2. Mackenzie, W. S. (2015). <i>Atlas of the rock-forming minerals in thin section</i>. Routledge.	
Course outcomes	<ol style="list-style-type: none">1. Students will learn to prepare profile of the beaches2. students will able to identify marine minerals3. field visits will help the students to observe different coastal landforms and ocean features.	