

9C	List of courses addressing Regional Needs:		
	<i>Course Code</i>	<i>Course Title</i>	<i>Brief Justification</i>
	GL 20105-DCE	Field Training (compulsory)	This course will impart the field knowledge of identifying various geological structures, rock types, mineral deposits, mapping skills, etc
	GL20107-DCE	Petroleum and Coal Geology	The course provides the student with essential and basic concepts of mineral exploration techniques and the art and science of mining of fossil fuels such as coal and petroleum.
	GL20308-DCE	Glaciology	This course is about the glaciers, glacier formation, movements and retreat of glaciers. The importance of glaciers in the regulation of stream flow, spring flow, hydropower generation, glaciers and climate change etc also form part of this course.
	GL20309-GE	Indian Mineral Deposits	This course tries to impart skills related to mineral deposits found in India and will help to understand the processes of ore and mineral formation. Besides the students will learn methods of mineral exploration, sampling principle, estimation of reserves, ore dressing, etc
	GI20408-DCE	Medical Geology	On completion of the course, the student will be able to understand the distribution of trace elements and their cyclic movement through the abiotic-biotic environment and their influence on human health, flora, and fauna.
	GL20401-CR	Exploration & Mining Geology	The study of the Earth's structure and processes, plays a crucial role in identifying resource-rich areas through geological surveys and mapping. This foundational step sets the stage for exploration activities, ensuring the responsible extraction of minerals and metals.