

11F	List of courses addressing Sustainability issues:		
<i>Course Code</i>	<i>Course Title</i>	<i>Brief Justification</i>	
GL20106-DCE	Environmental Geology	The ability to recognize and control natural hazards and the environmental effects of engineering projects will be taught to the students. In addition, there are methods for controlling the use of natural resources including water, soil, and minerals, as well as techniques to prevent environmental damage.	
GL20208-DCE	Oceanography and Marine Geology	To provide essential concepts of oceanography and to study the tectonics, geology, economic resources concerning the oceans.	
GL20209-GE	Natural Resources of J&K	This course will familiarise students with J&K's natural resources and assist them in discovering methods to preserve and responsibly utilize them.	
GL20306 - DCE	Geophysics	The student will acquire skills to use various geophysical methods for exploration purposes. The geophysical techniques in the course include seismic, gravity, magnetic and electrical resistivity methods and their various applications.	
GL20307-DCE	Ore Geology	The students will get familiarized about the processes involved in the formation of various ore minerals. The students will be appraised about the origin, migration and accumulation of petroleum; it will also provide basic skills in prospecting, drilling and logging operation in oil, gas, coal and other economic mineral explorations.	
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.	
GL20405-DCE	Engineering Geology	The students will learn different geological considerations and environmental aspects of engineering projects, like tunnelling, road building, dam construction etc	