

1.	Title of the course	Engineering Geology
2.	Course number	CE212L
3.	Structure of credits (L-T-P-C)	2-0-0-2
4.	New course/modification to	New
5.	To be offered by	Civil and Environmental Engineering
6.	Proposed by	B Janaki Ramaiah
7.	Prerequisite	None
8.	Course Objective(s): To discuss the formation of different types of rocks, rock masses and their application to civil engineering and associated geohazards.	
9.	Course Content: Description of earth's interior, geological cycle; Formation of different types of rocks; Mineralogy; Structural geology; Geophysical methods; Physical and mechanical properties of rocks; Origin and formation of soils; Introduction to geohazards: earthquakes, landslides, avalanches.	
10.	Textbook(s): 1. Kesavulu C N, Textbook of Engineering Geology, Macmillan India Limited (1996). 2. Reddy D V, Engineering Geology, BS Publishers (2017).	
11.	Reference(s): 1. Bell F B, Engineering Geology, Butterworth-Heinemann (2006).	