

Course Type	Course Code	Name of Course	L	T	P	Credit
DC10	MNC304	MINE LEGISLATION AND SAFETY	3	0	0	9
<b>Course Objective</b>						
To provide knowledge on various mining legislations to conduct safe mining operations						
<b>Learning Outcomes</b>						
The students will be able to appreciate the role of mining legislations in planning and operating surface and underground mines safely and productively to implement in practice.						
Sl. No.	Course contents	No. of Lectures	Learning outcome			
<b>Mine Legislation</b>						
Salient features of following Safety Legislations						
1.	The Mines Act, 1952	8	The students will learn about the salient features of various mine safety legislation applicable to Indian mines.			
2.	The Coal Mines Regulations, 2017	16				
3.	The Metalliferous Mines Regulations, 1961 ( Being amended as the MMR, 2018)					
4.	The Mine Rules, 1955	5				
5.	The Mines Rescue Rules, 1985	4				
6.	Provisions of Central Electricity Authority (Measures relating to Safety and Electric Supply) Regulations, 2010 applicable to mines	3				
7.	The Mine Vocational Training Rules,	2				
Sl. No.	Course contents	No. of Lectures	Learning outcome			
	1966 (Being amended as The Mine Vocational Training Rules, 2018)					
<b>Safety</b>						
8.	An introduction to occupational hazards of mining	2	the students will have an idea of various mining hazards.			
9.	Accidents and their classification	2				
10.	Accident statistics; frequency rate and severity rates; cause-wise analysis, basic causes of accident occurrence	2	the students will also learn about different types of mining accidents and their causes.			
11.	Introduction to risk based safety management system in mines	4				
12.	Introductory concept on risk assessment	4	the students will also be imparted the basic concept of risk-based safety management system.			
<b>Total</b>		52				

Text Books:

1. The Mines Act, 1951
2. The Coal Mines Regulation, 2017
3. The Metalliferous Mines Regulations, 1961
4. The Mine Rules, 1955
5. The Mines Rescue Rules, 1985
6. Provisions of Central Electricity Authority (Measures relating to Safety and Electric Supply) Regulations, 2010 applicable to mines
7. The Mine Vocational Training Rules, 1966