

GUJARAT TECHNOLOGICAL UNIVERSITY

BRANCH NAME: Mining Engineering
SUBJECT NAME: MINE LEGISLATION
SUBJECT CODE: 2172209
B.E. 7th SEMESTER

Type of course: Mining

Rationale:

The course is designed to help the student in understanding the different statutory provisions of mines Acts, Rules and Regulations essential for mining industries for maintaining law and order as well as safe working conditions in mining areas This course is helpful in grasping the idea about the seriousness of issues related with mining industries the social and environmental impact and the impact of these laws which are important for maintaining good management in mines.

Teaching and Examination Scheme:

Teaching Scheme			Credits C	Examination Marks						Total Marks
L	T	P		Theory Marks			Practical Marks			
				ESE (E)	PA (M)		ESE (V)		PA (I)	
					PA	ALA	ESE	OEP		
3	0	0	3	70	20	10	0	0	0	100

Content:

Sr. No.	Content	Total Hrs	% Weightage
1	National Mineral Policy, Statutory laws concerned with development and conservation of minerals. Mines and Minerals (Regulation and Development) Act; Mineral Concession Rule, Minerals Conservation and Development Rules.	20	40 %
2	Statutory Laws in respect of employment, safety, health and sanitation, Mines Act, The Mines Rule; The Coal Mines and Metalliferous, Mines Regulations; Mine Rescue Rules.	20	40 %
3	Mine Vocational Training Rules, Explosives Rules, Indian Electricity Act and Rules, Pit Head Bath Rules.	16	20 %

Suggested Specification table with Marks (Theory):

Distribution of Theory Marks					
R Level	U Level	A Level	N Level	E Level	C Level
64 %	18 %	12 %	2 %	2 %	2 %

Legends: R: Remembrance; U: Understanding; A: Application, N: Analyze and E: Evaluate C: Create and above Levels (Revised Bloom's Taxonomy)

Note: This specification table shall be treated as a general guideline for students and teachers. The actual distribution of marks in the question paper may vary slightly from above table.

Reference Books:

Sr. No.	Author	Title of Books	Publication
1	N.A	Mining Legislation	Lovely Prakashan, Dhanbad
2	N.A	Mines and mineral conservation rule	Lovely Prakashan, Dhanbad
3	N.A	Coal mine regulation	Lovely Prakashan, Dhanbad
4	N.A	Metalliferous mines Regulation	Lovely Prakashan, Dhanbad
5	N.A	Indian Electricity Rule	Lovely Prakashan, Dhanbad
6	N.A	Mines Act	Lovely Prakashan, Dhanbad
	N.A	Mine Creach Rules	Lovely Prakashan, Dhanbad
	N.A	Mine Vocational Training Rules	Lovely Prakashan, Dhanbad
	N.A	Forest Conservation Act	Lovely Prakashan, Dhanbad

Course Outcome:

After learning the course the students should be able to:

- i. Implement various statutory laws in mining areas.
- ii. Take right decision in work environment.
- iii. Protect the society and environment in better way.

List of Open Source Software/learning website:

- i. www.researchgate.net
- ii. www.min.eng.com
- iii. www.journal.elsevier.com
- iv. www.mdpi.com/journal/mineral

ACTIVE LEARNING ASSIGNMENTS: Preparation of power-point slides, which include videos, animations, pictures, graphics for better understanding theory and practical work – The faculty will allocate chapters/ parts of chapters to groups of students so that the entire syllabus to be covered. The power-point slides should be put up on the web-site of the College/ Institute, along with the names of the students of the group, the name of the faculty, Department and College on the first slide. The best three works should submit to GTU.