

Programme/Classes -		Year -	
Subject -	Industrial Safety		Sem. -
Course Code -		Course Title -	Industrial Safety
Credits -	1	Core -	
Est. Marks -	75+25	Min. Passing Marks -	

Unit	Topics	Total NO of Lectures - 15
	Safety Management - Introduction Principles of accident prevention Planning for safety Directing for safety Safety education & Training Financial aspect of safety	3
	Safety Engineering (I) - Safe guarding of machines Manual handling & storage of material Mechanical handling of material Working of height Safety at work place	3
	Safety Engineering (II) - Plant design & house keeping Industrial lightning Ventilation & heat control Electrical hazard Noise & vibration Hot working of metal & cold working	3
	Approval Analysis Inspection and Control Procedure - Plant and equipment safety approval & control techniques Hazard identification techniques Accident investigation & reporting and analysis Measurement & control of performance	3

Safety & Law Introduction to Ilo History of safety legislation in India Factory act 1948 & the factory rule Employees welfare for legislation Provision relating to safety, Health & Environmental issues	3
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Suggested - Continuous Evaluation Methods
 Total marks - 25

House Examination/ Test	10 marks
Written Assignment/ Presentation/ Project/ Seminar	10 marks
Class Performance/ Participation	5 marks

Programme/Classes -		Year-		Sem.-
Subject -	Industrial Safety			
Course Code -		Course Title -	Industrial Safety	
Credits -	2	Core -		
Max. Marks -	75+25	Min. Passing Marks -		

S.No.	List of Practicals (Lab work)	Total NO of Lab - 60
1	Measurement of sound levels	6
2	Measurement of vibrations of machines & equipment	6
3	Sampling and analysis of Ammonia	6
4	Plotting of audiogram by audiometer	6
5	Estimation of chlorine in work environment	6
6	Estimation of hydrogen sulphide in air	6
7	Preparation of emergency plan	6
8	Identify and understand the use of different safety kit	6
9	Preparation of safety report	6
10	Earthing continuity test	6

Suggested - Continuous Evaluation Methods

Total marks - 25

Course Examination/ Test	10 marks
Written Assignment/ Presentation/ Project/ Seminar	10 marks
Class Performance/ Participation	5 marks

Reference books -

1. The human side of enter prise (Douylus Morgerer)
2. Hendley (Industrial safety hand book)
3. Will Hammer (hand book of system and product safety)
4. Introduction to ergonomics world health organisation (by Singleton)
5. Principles of exhaust ventilation by (Hmso)