MBPC3045 PRINCIPLES OF SAFETY MANAGEMENT & REGULATORY FRAMEWORKS FOR INDUSTRIAL STUDY (3-0-0)

Module-I : (3 Hours)
Evolution of modern safety concept- Safety policy - Safety Organization - line and staff functions for safety- Safety Committee- budgeting for safety.

Module-II : (5 Hours)
Incident Recall Technique (IRT), disaster control, Job Safety Analysis (JSA), safety survey, safety inspection, safety sampling, Safety Audit. Pareto Analysis.

Module-III : (8 Hours)
Concept of an accident, reportable and non-reportable accidents, unsafe act and condition – principles of accident prevention, Supervisory role- Role of safety committee – Accident causation models - Cost of accident. Overall accident investigation process, Investigators Kit, functions of investigator, Records of accidents, accident reports-Class exercise with case study. Cause and Effect Analysis.

Module IV : (7 Hours)
ILO Conventions (C155, C176, C187, etc.) Promote occupational safety, health, and working conditions globally. UN Globally Harmonized System (GHS) for Classification & Labeling_ Chemical hazard classification, labeling, and safety data sheets.

Module V : (12 Hours)
Occupational Safety, Health and Working Conditions Code, 2020 (OSHWC Code)
Petroleum Rules, 2002_ PESO (Explosives & Petroleum Safety Organisation)
Explosives Act, 1884 & Explosives Rules, 2008
Electricity Act, 2003 & Central Electricity Rules_ Electrical safety, safe design, and operation of electrical installations.

Books
1. Krishnan N.V. “Safety Management in Industry” Jaico Publishing House, Bombay, 1997.
2. Heinrich H.W. “Industrial Accident Prevention” McGraw-Hill Company, New York, 1980.

References
1. Accident Prevention Manual for Industrial Operations”, N.S.C.Chicago, 1982
2. John Ridley, “Safety at Work”, Butterworth & Co., London, 1983.