

## MBA473: PROJECT SAFETY MANAGEMENT

Teaching Scheme	Examination Scheme
Lectures: 4 hrs./Week Tutorials: 1 hrs./Week  Credits: 4	Class Test -12Marks Teachers Assessment - 6Marks Attendance – 12 Marks End Semester Exam – 70 marks

### OBJECTIVES:

To study and understand the various safety concepts and requirements applied to construction projects.  
 To study the of construction accidents, safety programmes, contractual obligations, and design for safety.

### UNIT I CONSTRUCTION ACCIDENTS

Accidents and their Causes – Human Factors in Construction Safety – Costs of Construction Injuries – Occupational and Safety Hazard Assessment – Legal Implications.

### UNIT II SAFETY PROGRAMMES

Problem Areas in Construction Safety – Elements of an Effective Safety Programme – Job-Site Safety Assessment – Safety Meetings – Safety Incentives.

### UNIT III CONTRACTUAL OBLIGATIONS

• Safety in Construction Contracts – Substance Abuse – Safety Record Keeping. Owner's responsibility for safety – Owner preparedness – Role of designer in ensuring safety – Safety clause in design document

### UNIT IV DESIGNING FOR SAFETY

Safety Culture – Safe Workers – Safety and First Line Supervisors – Safety and Middle Managers  
 – Top Management Practices, Company Activities and Safety – Safety Personnel – Sub contractual Obligation – Project Coordination and Safety Procedures – Workers Compensation.


### REFERENCES:

1. Jimmy W. Hinze, "Construction Safety", Prentice Hall Inc., 1997.
2. Richard J. Coble, Jimmie Hinze and Theo C. Haupt, Construction Safety

Employable Skills	Measuring Tools
Ability to identify and apply the knowledge of subject practically in real life situations	Exercise Workshop Quiz Classroom Discussions

  
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