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Course No. : 16HOE762	Dept.: CIVIL ENGINEERING
Course Title : Occupational Safety and Health Administration	Semester: VII
Instructor-in-charge : Ramesh S	Academic Year: 2020-21
Lab. Instructor :	

The course provides an overview of the Occupational Safety and Health Act, hazards in various industries, industrial accidents and monitoring of accidents.

The course also briefs out Various Act’s under Legal Provisions on Occupational Health and Safety and overview of Participatory Research of OSHA

Text Books:

1 PRIA, International Academy, Knowledge of Power.

Reference Books:


1 International Labour Organization. Mining: a hazardous work [Internet]. ; 2015 ([cited 2015 Feb 2]. Available from: http://www.ilo.org/safework/areasofwork/hazardous-work/WCMS_124598/lang-en/index.htm

2 Bhagawati, B. Basics of occupational safety and health. IOSR J Environ Sci Toxicol Food Technol. 2015;9:91–94.

PREREQUISITES

1 Occupation Safety and health administration amendments	Online	Referral Document	Remarks
<i>A good understanding of the above topics is essential</i>	Occupational Safety and Health Administration - Wikipedia		


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LECTURE PLAN


Topic	Topic Details	Number of Lectures	Cumulative lecture hrs.	Unit/ Chapter Reference
	This course covers workplace safety and the roles of industrial hygienists or safety professionals			
Unit 1				
Introduction to Occupational Health and Safety Sector Specific Occupational Health and Safety Issues	Definition and Context of OHS, Objectives	1	8	T1: Unit 1 3-22 T1: Unit 2 5-30
	Principles of OHS	1		
	Workplace and Health Occupational Health,	1		
	Hygiene and Ergonomics.	1		
	Health and Safety Risks in Mining Industry	1		
	Health and Safety Risks in Electronic Industry	1		
	Health and Safety Risks in Food Processing Industry	1		
	Health Hazards in Other Industries	1		
Unit 2				
Socio Economic aspects of Occupational Health and Safety Basics of Preventive Techniques Safety	Women’s occupational and health safety	2	18	T1:Unit 3 1-21 T1:Unit 4 3-26
	Child labour issues in occupational health and safety	2		
	Health issues in the unorganized sector.	1		
	Definition of Accident, Accident Analysis	1		
	Monitoring of Hazards	1		
	Reporting and Investigation of Accidents	1		
Revision		1		
Assignment		1		

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Unit 3				
Health Screening Measures	Stages of Medical Examination	2	27	T1:Unit 5 1-16
	Occupational History	2		
	Pulmonary Function Test (PFT)	2		
	Noise Induced Hearing Loss(NIHL).	2		
Revision	1			
Unit 4				
Legal Provisions on Occupational Health and Safety	Overview of existing OHS Legislations in India	2	37	T1:Unit 6 6-15
	The Factories Act	2		
	The Mines Act	2		
	The Workmen’s Compensation Act	1		
	The Employee’s State Insurance Act.	1		
Revision		1		
Assignment		1		
Unit 5				
Participatory Research and Occupational Health	Philosophy of Participatory Research(PR)	3	46	T1:Unit 7 6-31
	Analysis based on PR Methodologies Conducting Participatory Research for OHS.	3		
	Case Study on PR	2		
Revision		1		
Future scope of learning	<p>This course enable student in the field of occupational safety administration.</p> <ol style="list-style-type: none"> 1.Legislation to extend OSH coverage to all sectors of working life including the unorganized sector; 2. Spreading the awareness about OSH among stakeholders; 3. Development of OSH infrastructure and OSH professionals. Other issues Include integration of occupational health with primary health care. 			

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Evaluation Scheme:

Component	Duration	Weightage(%)	Date (Time)
CIE 1	90 min	20	28/09/2020
CIE 2	90 min	20	09/11/2020
CIE 3	90 min	20	27/11/2020
AIT 1	2 days	5	24/25/09/2020
AIT 2	2 days	5	05/06/11/2020
Make up CIE	90 min	20	27-11-2020
SEE	180 min	50	11/12/2020
Make up SEE	180 min	50	08/01/2021
Total		100	

RAMESH S
Course-in-charge

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