

<b>Name of Faculty</b>	:	Faculty of Science
<b>Name of Program</b>	:	Master of Science
<b>Course Code</b>	:	2MFS03
<b>Course Title</b>	:	Occupational Health, First Aid Casualty Management
<b>Type of Course</b>	:	Professional Core
<b>Year of Introduction</b>	:	2023-24

<b>Prerequisite</b>	:	Know importance of First Aid
<b>Course Objective</b>	:	Understand the maintenance and promotion of workers' health and working capacity. Students will know the improvement of working environment and work to become conducive to safety and health.
<b>Course Outcomes</b>	:	At the end of this course, students will be able to:
	CO1	Understand the design, criteria for fire protection facility
	CO2	Remember Occupational Health & Safety
	CO3	Apply first aid for bleeding, burns and heart attack
	CO4	Evaluate the emergency action plan.

#### Teaching and Examination Scheme

Teaching Scheme (Contact Hours)			Credits	Examination Marks				
L	T	P		SEE	CIA	SEE	CIA	Total Marks
5	0	0	5	70	30	-	-	100

*Legends: L-Lecture; T-Tutorial/Teacher Guided Theory Practice; P - Practical, C - Credit, SEE - Semester End Examination, CIA - Continuous Internal Assessment (It consists of Assignments/Seminars/Presentations/MCQ Tests, etc.)*

#### Course Content

Unit No.	Topics	Teaching Hours	Weightage	Mapping With COs
1	Introduction to Plant, Basic of Fire Protection, Design Criteria and Fire Protection Facilities.	15	25%	CO1
2	Definition of Occupational Health & Safety.	15	25%	CO2
3	The practice of First Aid, Control of bleeding, Burns and Scalds, Heart Attack.	15	25%	CO3
4	A) Disorder of Circulation, Dressing & Bandages, Handling & transport of injured. B) Emergency Action Plan, Line Diagram of	15	25%	CO4

	Emergency Action Plan, Drawings.			
--	----------------------------------	--	--	--

Suggested Distribution of Theory Marks Using Bloom's Taxonomy						
Level	Remembrance	Understanding	Application	Analyse	Evaluate	Create
Weightage	25	25	25	-	25	-

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

#### Suggested Learning Websites

Sr. No.	Name of Website
1	<a href="https://archive.nptel.ac.in/courses/105/102/105102176/">https://archive.nptel.ac.in/courses/105/102/105102176/</a>

#### Reference Books

Sr. No.	Name of Reference Books
1	Encyclopaedia of Occupational Health and Safety: Vol I & II-ILO
2	Industrial Environment and its evaluation and control :NIOS
3	D Hunter, Diseases of Occupation.
4	M.K. Poltev, Occupational Health & Safety in manufacturing industries.
5	Clayton & Clayton, Patty's Industrial Hygiene and Toxicology