

COURSE CODE: OHS-101
COURSE NAME: OCCUPATIONAL HEALTH AND SAFETY
CREDIT HOURS: Theory = 01
 Practical = 00
 Total = 01
CONTACT HOURS: Theory = 16
 Practical = 00
 Total = 16
PREREQUISITE: Nil

MODE OF TEACHING:

Instruction: One hours of lecture per week 100 %

COURSE DESCRIPTION:

This course introduces the student to the study of workplace occupational health and safety. The student will learn safe work practices in offices, industry, and construction as well as how to identify and prevent or correct problems associated with occupational safety and health in these locations as well as in the home.

COURSE OBJECTIVES:

By the end of this course, students will be able to:

1. Understand the principles and importance of occupational health and safety (OHS) in workplaces, industries, and construction environments.
2. Identify common workplace hazards related to physical, chemical, biological, and ergonomic factors.
3. Apply safe work practices and procedures to prevent accidents and injuries in different work settings, including offices and homes.

RELEVANT PROGRAM LEARNING OUTCOMES (PLOs):

The course is designed so that students will achieve the PLOs:

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|---|---------------------------------|-------------------------------------|----|--|-------------------------------------|
| 1 | Engineering Knowledge | <input type="checkbox"/> | 7 | Ethics: | <input checked="" type="checkbox"/> |
| 2 | Problem Analysis | <input type="checkbox"/> | 8 | Individual and Collaborative
Team Work: | <input type="checkbox"/> |
| 3 | Design/Development of Solutions | <input type="checkbox"/> | 9 | Communication | <input type="checkbox"/> |
| 4 | Investigation | <input type="checkbox"/> | 10 | Project Management | <input type="checkbox"/> |
| 5 | Tool Usage | <input type="checkbox"/> | 11 | Lifelong Learning | <input type="checkbox"/> |
| 6 | The Engineer and Society | <input checked="" type="checkbox"/> | 12 | | <input type="checkbox"/> |

COURSE LEARNING OUTCOMES:

No.	CLO	Domain	Taxonomy Level	PLO
1	Name hazards in the home, laboratory and workplace that pose a danger or threat to their safety or health, or that of others.	Cognitive	1	7
2	Define unsafe or unhealthy hazards and their elimination methods	Cognitive	1	6
3.	Comprehend the changes created by WHMIS and OSHA legislation in everyday life.	Cognitive	1	6

TOPICS COVERED:**Theory:**

Week	Topic
1	Health and Safety Foundations
2-3	Fostering a Safety Culture
4-5	Recognizing and Communicating Hazards
6	Finding Hazard Information
7	Accidents & Their Effect on Industry
8-9	Assessing and Minimizing the Risks from Hazards
10-11	Preparing for Emergency Response Procedures
12-13	Stress and Safety at Work environment
14-15	Incident Investigation
16	ESE

TEXT AND MATERIAL:**Textbook (s):**

1. The A-Z of health and safety by Jeremy Stranks, 2006.

References Material:

1. The Manager's Guide to Health & Safety at Work by Jeremy Stranks, 8th edition,
2. Occupational safety and health law handbook by Ogletree, Deakins, Nash, Smoak and Stewarts, second edition, 2008.

ASSESSMENT SYSTEM:**1. CLOs Assessment**

Cognitive	Psychomotor	Affective
Spreadsheet	-	-

2. Relative Grading

Theoretical/Instruction			100%
	<i>Assignments/group presentations with/without write-up submissions 10%</i>		
	<i>Participatory discussion sessions and class activities 5%</i>		
	<i>Quizzes 10%</i>		
	<i>Mid Semester Exam 25%</i>		
	<i>End Semester Exam 50%</i>		
Total			100%