

GUJARAT TECHNOLOGICAL UNIVERSITY (GTU)

V - SEMESTER

Course Title: Health, Safety and Environment

(Course Code: 1353402)

Diploma Programme in which this course is offered	Semester in which offered
Mechanical (Manufacturing Technology)	Fifth Semester

Module.	Topics	Hours
Module 1	Safety 1.1 Introduction to Basic Concepts 1.2 Shop floor Safety 1.3 Electrical Safety 1.4 Fire Safety 1.5 Personal protective equipment 1.6 Prevention and Control of Accidents 1.7 Recording and Investigating Accidents	6 h
Module 2	Health 2.1 Introduction to Basic concepts 2.2 Occupational Diseases 2.3 Understanding Health hazards 2.4 Evaluation of Health hazards 2.5 Controlling Health hazards	4 h
Module 3	Environment 3.1 Introduction to Basic concepts 3.2 Air Pollution and Controlling methods 3.3 Water Pollution and Controlling methods 3.4 Noise Pollution and its control 3.5 Energy saving methods 3.6 Contribution of Wind and Solar energy to Environment 3.7 Methods of Disposal of waste 3.8 Energy saving and other environmental measure adopted by the company	6 h
Module 4	Introduction to ISO 14001 and OHSAS 18001	4 h