

## GENERIC ELECTIVES (GE-12): Environment and Health

### Credit distribution, Eligibility and Pre-requisites of the Course

Course title & Code	Credits	Credit distribution of the course			Eligibility criteria	Pre-requisite of the course
		Lecture	Tutorial	Practical/Practice		
Environment and Health	4	3	0	1	12 <sup>th</sup> Pass	----

### Learning Objectives

1. To understand basic concepts of environmental health
2. To assess environmental pollutant classes
3. To assess the risk of environmental exposures and health impacts

### Learning Outcomes

The students will learn the basic concepts of environmental and health, various exposures and pollutant classes, burden of disease and health impacts of ecological exposures

### Syllabus:

**Unit 1:** Introduction to environment health. Epidemiological studies related to environmental health **(12 Hours)**

**Unit 2:** Water, Sanitation and Hygiene; impact of air pollution (ambient and indoor), water pollution and noise pollution on human health **(12 Hours)**

**Unit 3:** Human health under different socio-cultural environment, Built environment, Urban environment, Green spaces and occupational hazards, hygiene and health **(12 Hours)**

**Unit 4:** Food safety, toxins and waste management, chemicals and heavy metals **(09 Hours)**

**Practical:** **30 Hours**

Project report based on data collection related to environmental health

### References

1. Hermen Koren. Handbook of environmental health and safety [volume\_II, 4th ed.]. CRC Press, 2002
2. Morton Lippmann. Environmental toxicants: human exposures and their health effects [3rd ed]. John Wiley & Sons, 2009
3. B. Wisner J. Adams. Environmental Health in Emergencies and Disasters [1 ed.]. World Health Organization, 2003
4. Bernard J. Healey, Kenneth T. Walker. Introduction to Occupational Health in Public Health Practice (Public Health Environmental Health) [1 ed.]. Jossey-Bass;2009

### **Teaching Learning Process**

The process of learning will involve acquisition of domain knowledge and understanding of skills required for conducting research in environmental health. Process will involve lectures and presentations and report submission.

### **Keywords**

Pollutants, Environment, Exposure, Assessment, Water and Air pollution, social environment.

**Note: Examination scheme and mode shall be as prescribed by the Examination Branch, University of Delhi, from time to time.**