

COURSE CODE: ENS-421
COURSE NAME: Public Health & Environment
CREDIT HOURS: Theory = 3 Practical = 0 Total = 3
CONTACT HOURS: Theory = 48 Practical = 0 Total = 48
PREREQUISITE: None
MODE OF TEACHING: Three hours of lecture per week

COURSE DESCRIPTION:

This course is designed to introduce basic concepts of health and disease with reference to the environment, impart knowledge about hazards, risks assessment and management.

TOPICS COVERED:

Week#	Topics
1	Concepts and basic requirements for a healthy environment
2	Environmental Exposure: Measuring environmental quality
3	Human exposure and health Impact: Impact of environmental factors on health
4	Nature and types of environmental hazards
5	Health risk assessment and management
6	Health and disease concepts
7	Air, Water and sanitation, Food and agriculture
8	Human settlement and urbanization, Health and energy use
9	Midterm Exam – MSE
10	Health and development, Health indicators
11	Industrial pollution and health issues; Trans-boundary and global health concerns
12	Action to protect health and the environment
13	Classification of diseases, basic concepts of Epidemiology
14	Immunology, Pathology, Parasitology

15	Epidemiology of infectious diseases, Communicable diseases, non-communicable diseases
16	Epidemiology of infectious diseases, Communicable diseases, non-communicable diseases
17	Personal hygiene and health
18	End Semester Exam

Text and Material:

1. Environmental Science (The Way the World Works) Nebel, B. J. and Wright, R. T., 8th Edition. Prentice Hall International Inc. London, UK.
2. Park's Textbook of Preventive and Social Medicine, Park, K., 26th Edition. M/s Banarsid. 2021.
3. Essentials of Environmental Health (Essential Public Health), 3rd Edition, by Robert H. Friis, 2019.

ASSESSMENT SYSTEM:

Theoretical/Instruction	100%
Assignments	10%
Quizzes	15%
Mid Semester Exam	25%
End Semester Exam	50%
Practical Work	0%
Lab Attendance	0%
Lab Report	0%
Lab Quiz	0%
Lab Rubrics	0%