

ENVIRONMENTAL HYGIENE

Course Description

This course is designed to help students acquire the concept of health, understanding of the principles of environmental health and its relation to nursing in health and disease.

General Objectives

Upon completion of this course, the students shall be able to:

- 1 Describe the concept and principles of environmental health.
- 2 Demonstrate skills to apply the principles of environmental hygiene in caring for self and others.
- 3 Describe the environmental health hazards, related health problems and the services available to meet them.

Total Hours – 30

Unit.	Learning Objectives	Content Unit wise	Hr	Teaching learning activities	Method of assessment
I	Explain the importance of healthy environment and its relation to health and disease.	Introduction a) Components of environment b) Importance of healthy environment	2	Lecture cum discussions.	Short answer
II	Describe the environmental factors contributing to health and illness.	Environmental Factors Contributing to Health a) Water : - Sources and characteristics of safe and wholesome water - Uses of water. - Rain water harvesting - Water pollution – natural and acquired impurities - Water borne diseases - Water purification-small and large scale b) Air : - Composition of air - Airborne diseases - Air pollution and its effect on health - Control of air pollution and use of safety measures.	22	Lecture cum discussions Demonstration Exhibits Visit to water Purification plant, sewage treatment plant	Short answers Objective type Essay type

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		c) Waste : <ul style="list-style-type: none"> - Refuse – garbage, excreta and sewage - Health hazards - Waste management: collection, transportation and disposal. d) Housing: <ul style="list-style-type: none"> - Location - Type - Characteristics of good housing - Basic amenities - Town planning e) Ventilation: <ul style="list-style-type: none"> - Types and standards of ventilation f) Lighting: <ul style="list-style-type: none"> - Requirements of good lighting - Natural and artificial lighting - Use of solar energy g) Noise <ul style="list-style-type: none"> - Sources of noise - Community noise levels - Effects of noise pollution - Noise Control measures h) Arthropods: <ul style="list-style-type: none"> - Mosquitoes, housefly, sand fly, human louse, rat fleas, rodents, ticks etc. - Control measures 			
III.	Describe the community organization to promote environmental health.	Community organizations to promote environmental health <ul style="list-style-type: none"> a) Levels and types of agencies: <ul style="list-style-type: none"> - National, state, local - Government, voluntary and social agencies. b) Legislations and acts regulating the environmental hygiene. 	6	Lecture cum discussions.	Short answer Objective type.