

MAULANA ABUL KALAM AZAD UNIVERSITY OF TECHNOLOGY, WEST BENGAL
(Formerly West Bengal University of Technology)
Syllabus of BBA in HOSPITAL MANAGEMENT
(Effective from 2023-24 Academic Sessions)

5TH SEMESTER

Paper Name: Support Utility Services-II

Paper Code: BBA(HM) – 501

Total Credit: 5

Total hours of lectures: 50 hours

Mode: Offline

Credits: 5(4L+1T)

BBA(HM) – 501

Aim of the Course: The aim is to achieve knowledge of the fundamentals of Support and utility services 2 and its practical application in the hospital operations.

Course Objectives: Understand the support system studying that allows us the ability to optimize and digitize all the processes within the hospitals.

Goals:

CO1: This course enables students to gain preliminary knowledge about the ability to optimize and digitize all the processes within the hospitals.

CO2: Demonstrate the different departments that are there in the hospital there work flow structure etc.

CO3: Envisage to know how the organizational hierarchy is important to properly manage the departments using the administrative point of view.

CO3: Would enable the students to have a vivid knowledge about the disaster management system.

Learning Outcome/ Skills:

Sl	Course content	Mapped modules	Hour allotted
1	Module 1: Clinical services: Functions, location, work flow, physical facilities, design & space requirement, staffing, equipment, managerial issues of the following departments - Ward management Intensive care unit Nursing Services	M1	10
2	Module 2: Support services: Functions, location, work flow, physical facilities, design & space requirement, staffing, equipment, managerial issues of the following departments – Blood Bank Pharmacy Physical medicine and rehabilitation	M2	10
3	Module 3: Utility services: Functions, location, work flow, physical facilities, design & space requirement, staffing, equipment, managerial issues of the following departments – Transport service Maintenance management Mortuary	M3	10

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4	Module 4: Disaster Management-Types, Disaster Preparedness Plan, Disaster cycle, Triage Fire Hazards and Fire Manual Guideline-Elements of Fire-Fire Hazard-Cause of Hospital Fire- Fire points and Escape route	M4	10
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Upon completing the Support and Utility Services-II course, students will gain the following essential skills:

1. Understanding the role and importance of support and utility services in healthcare delivery.
2. Defining support and utility and clinical services and recognizing their various types.
3. Familiarity with different departments, characteristics, and ownership.
4. Efficiently knowing the workflow of the various departments.
5. Embracing the different functionality of the various departments.
6. Complying with the utility services found in any health care organization.
7. Organizing and managing the disaster manual and preparedness plan effectively.
8. Understanding the guidelines used during the occurrence of any disaster for quality improvement.

Module Number	Content	Total Hours	% of questions	Bloom Level (applicable)	Remarks, if any
THEORY					
M1	Different Clinical Services	10	30	1,2	NA
M2	Different Support Services	10	35	1,2,3	NA
M3	Different Utility Services	10	20	1,2	NA
M4	Disaster Management Systems	10	15	1,2,3	NA
Total		40	100		
	<u>Theory</u>	10			
	TOTAL	50			

Books:

1. Support and Utility Services – Ankita Basak – Taurean Publications.
2. Hospital Administration – D.C Joshi and Mamta Joshi – Jaypee Brothers

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Paper Name: Epidemiological Transition in Healthcare
Paper Code: BBA (HM) – 502
Total Credit: 5
Total hours of lectures: 50 hours

COURSE OVERVIEW: This course introduces the student to the principles and basic methods of modern epidemiology. Presentation of epidemiologic data and basic measures of disease frequency are covered. Descriptive, analytical and interventional study designs are discussed in context to the health system along with the concept of risk and its associated measures is also covered. It also focuses on the epidemiology of communicable and non communicable diseases.

LEARNING OBJECTIVES:

By the end of this course students will develop the ability to:

1. Explain the role of epidemiology in the field of healthcare.
2. Understand the epidemiological transitions of various disease.
3. Describe the range of epidemiologic study designs used to examine the health status of a population and be able to evaluate the strengths and limitations of each.
4. Demonstrate various types of dynamics of disease causation, transmission and prevention
5. Examine various roles of Levels of healthcare in prevention of Epidemics.

Sl.	Topic/Module	Hour
1.	Module 1: Concept of Epidemiological transitions in healthcare, Definition of epidemiology, Concept, Principles of epidemiology, Health-dimension, determinants, Wellbeing, Indicators of health, PQI, HDI, QALY, DALY, Positive health, Spectrum of health, Concept of Health gap, Health for All, SDGs	10

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2.	<p>Module 2:</p> <p>Concept of disease, Concept of disease causation, Natural History of disease, Iceberg phenomenon of disease, Epidemiological triad, Web of causation, Disease elimination and eradication</p> <p>Mode of Intervention</p>	10
3.	<p>Module 3:</p> <p>Infectious Disease Epidemiology (Epidemic, Endemic, Pandemic, Sporadic) Basic Measurements of Epidemiology (Mortality, Morbidity), Dynamics of disease transmission Control</p> <p>Epidemiological Methods: Observational, Analytical, Experimental (Basic knowledge only), Levels of Prevention</p> <p>Investigation of an Epidemic</p> <p>Role of Immunization in Preventive care</p>	10
4.	<p>Module 4:</p> <p>Epidemiology of Communicable diseases</p> <p>Influenza, Chicken Pox, Mumps, Measles, Rubella, SARS, Tuberculosis, Viral hepatitis, Cholera, Typhoid fever, Dengue, Malaria, Yellow fever, Japanese Encephalitis, Leprosy, STD, AIDS, Tetanus</p>	10
5.	<p>Module 5:</p> <p>Epidemiology of Non communicable diseases</p> <p>Diabetes, Obesity, Stroke, Cancer, Rheumatic heart diseases, Hypertension, Angina, Myocardial infarction, Cardiac failure, Thyroid, PCOS</p>	10

Books:

1. Epidemiological transition in Healthcare – Dr. Tamasmita Basu – Taurean Publication
2. Park's Textbook of Preventive and social medicine – K Park- Bhanot Publisher