

ACADEMIC PLANNER & UNITIZATION OF SYLLABUS

Department of Nutrition

3rd Year: Semester VI

(SH/NUT/601/C-13) Core 13, (SH/NUT/602/C-14) Core 14,
(SH/NUT/603/DSE-3) DSE 3

Food Microbiology, Epidemiology, Public Health Nutrition

Credit- 06 Full Marks: 50 Classes: 60 (Lecture) + 15 (Tutorials)

Subject Teacher- Moumita Dutta

SYLLABUS UNITIZATION

Month	Week	Portion
March,2023	2	C13T13- Microbial growth curve. C14T14- Concept of disease and it's terms. DSE3- Protein Energy Malnutrition- aetiology, classification, symptoms, prevention.
	3	C13T13- Extrinsic and Intrinsic parameters that affect bacterial growth. C14T14- Disease epidemiology. Theories of disease causation. DSE3- Vitamin A deficiency disease and Iron deficiency anaemia.
	4	C13T13- Generation time and TDT. C14T14- Dynamics of disease transmission. DSE3- Iodine deficiency disorders and Fluorosis.
	5	C13T13- A general idea about food spoilage and contamination by microbes. C14T14- Mode of disease transmission- Direct and Indirect. DSE3- Vitamin D deficiency. Nutrition security.
April, 2023	1	C13T13- Class test , Food spoilage of cereals. C14T14- Demographic cycle- stages. Indicators, Demographic ratio. DSE3- Sports Nutrition- Energy system, classification of sport event, glycogen loading.

	2	C13T13- Food spoilage of cereals product, food spoilage of vegetables. C14T14- Typhoid fever- symptoms, agent, causes, prevention and management. DSE3- Class test , Sports related deficiency disorders, Nutritional requirement.
	3	C13T13- Food spoilage of fruits, Food spoilage of fishes. C14T14- class test . The Dengue syndrome- causes, prevention and management. DSE3- Space Nutrition- different kinds of space food, their uses.
	4	C13T13- Food spoilage of sea fishes, Food spoilage of meat and meat products. C14T14- Malaria- causes, agent, symptoms, cycle, transmission and management. DSE3- Nutrition during emergencies- Drought, flood, disaster management.
May, 2023	1	C13T13- Class test , Spoilage of milk. C14T14- Immunization- Types of immunity (Innate and acquired immunity). DSE3- Cancer- Causes, types, stages of cancer.
	2	C13T13- Spoilage of milk products. C14T14- Types of Immunization, advantages and disadvantages. DSE3- Nutritional management of cancers. Role of antioxidants. Class test .
	3	C13T13- Class Test . C14T14- Immunizing agents- Vaccines, Immunoglobulins. DSE3- Thalassemia- causes, types, symptoms, management ⁶ .
	4	C13T13-Microbial examination of water. C14T14- Class test , National Immunizing Schedule, Schedule of travelers and adult. DSE3- Class test .
	5	C13T13- Revision of previous classes. C14T14- Antisera, Herd immunity, EPI schedule for immunization. DSE3- Structure of HIV virus. Class test .
June, 2023	1	C13T13-Microbiaql examination of milk. C14T14- Class test DSE3- Causes of HIV-AIDS, Symptoms of it.
	2	C13T13- Class test . C14T14- Japanese Encephalitis- agent, causes and symptoms.

		DSE3- Nutritional management of HIV-AIDS.
	3	C13T13- Revision of previous classes. C14T14- Management of Japanese Encephalitis. DSE3- Nutrition in extreme climates.
	4	Revision of previous classes and class test .
	5	Study Leave.