

# ACADEMIC PLANNER & UNITIZATION OF SYLLABUS

## Department of Nutrition

3<sup>rd</sup> Year: Semester VI

(SH/NUT/601/C-13) Core 13, (SH/NUT/602/C-14) Core 14,  
(SH/NUT/604/DSE-4) DSE 4

**Food Microbiology, Epidemiology, Nutrigenomics**

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

**Subject Teacher- Tultul Chowdhury**

### SYLLABUS UNITIZATION

<b>Month</b>	<b>Week</b>	<b>Portion</b>
March,2023	2	C13T13 Introduction about microorganism . DSE7 Concept of nutrigenomics , nutrigenetics, pharmacogenomics.
	3	C13T13 Sources of microorganism in food . C14T14 Concept of health DSE7 Concept of SNPs and epigenetics.
	4	C13T13 Introduction about sterilization method . C14T14 Determinants of health. DSE7 Application of nutrigenomics.
	5	C13T13 Physical methods of sterilization . C14T14 Factors effecting health. DSE7 Nutrigenomics in prevention of disease.
April, 2023	1	Revision and class test .
	2	C13T13 Chemical methods of steriliztion. C14T14 Concept of epidemiology DSE7 Nutrigenomics in prevention of cancer , diabetes.

	3	C13T13 Sterilization by disinfectant. C14T14 Principles of epidemiology DSE7 Application of pharmacogenomics..
	4	C13T13 Nutritional requirements of microorganism. C14T14 Methods of epidemiology, observational methods of epidemiology. DSE7 Application of pharmacogenomics.
May, 2023	1	C13T13 Culture media and its type . C14T14 Analytical methods of epidemiology, case control methods. DSE7 Health informatics.
	2	C13T13 Culture media based on functional use. C14T14 Cohort methods of epidemiology. DSE7 Concept of database and types of database..
	3	Revision and class test
	4	C13T13 Isolation of pure culture media . C14T14 Epidemiology of chicken pox DSE7 Nucleic acid database
	5	C13T13 Streak plate method of isolation . C14T14 Epidemiology of mumps DSE7 Protein database
June, 2023	1	C13T13 Pour plate and spread plate method of isolation . C14T14 Epidemiology of measles DSE7 Phylogenetic tree and its type
	2	C13T13 Revision. C14T14 Epidemiology of influenza. DSE7 Concept of Basic local alignment search Tool .
	3	C13T13 Class test C14T14 Epidemiology of Tuberculosis. DSE7 Types of BLAST , Sequence similarity searching by BLAST.

	4	Revision of previous classes and Class test.
	5	Study Leave.