

## Lesson Plan

Subject: Building Services I

Academic Year: 2018-2019

Semester: 4th Semester

Class: 2nd Year

Branch: Architecture and Interior Design

Paper Code: 6653

Faculty Name: Mrs. Afroz Adil

Faculty Code:

Week	Topic to be covered	Remark
1st week	* Introduction to Bld Services * Potable water, characteristics of potable water * Per capita water consumption	
2nd week	* Direct and Indirect water supply system * Hot and cold water supply system	
3rd week	* Water supply pipe layout * Pipe Joinery	
4th week	* Pipe Fittings * Pipe materials * Pipe sizes	
5th week	* Study of all pipe appurtenances like valves, cocks, taps, meters, etc. * Introduction to sanitation	
6th week	* Principles of sanitation * Principles of house drainage system	
7th week	* Study sewer appurtenances like traps, manholes, etc. * Internal pipe types, material fittings and joints	
8th week	* Study of sanitary fixtures like water closet, wash basin, bathtub, sink, bidet, urinals, flushing cisterns, etc.	
9th week	* Septic tank introduction * Construction details of septic tank * Advantages and disadvantages of septic tank	
10th week	* One pipe and two pipe plumbing system * Toilet and drainage layout	
11th week	* Rain water harvesting * Types of rain water harvesting and its advantages	
12th week	* Introduction to fire safety * Principles of fire safety	
13th week	* Fire safety systems * Fire fighting equipments, inflammable and non inflammable materials	
14th week	* Considerations for fire safety for various buildings and their construction techniques	
15th week	* Revision	