



Course Weekly Outline

Week No.	Theoretical	Experimental
1	Introduction and Hydrologic Cycle	
2	Precipitations: Forms of Precipitations, Rainfall intensity, Measurement of Precipitation	
3	Precipitations: Mean Areal Depth of Precipitation, Frequency of Point Rainfall	
4	Losses: Evaporation	
5	Losses: Infiltration:	
6	Runoff: Methods of estimation of runoff	
7	Flow Measurement: Water Stage Measurement, Measurements of Discharge	
8	Flow Measurement: Stage-Discharge rating curve, Reservoir mass curve and storage	
9	Hydrographs: components of a hydrograph, factors affecting hydrograph, hydrograph separation	
10	Hydrographs: unit hydrograph, the average unit-hydrograph, the unit-hydrograph from multi- period storms	
11	Hydrographs: The Conversion of U-H Duration, Synthetic UH	
12	Flood Routing: Hydrologic Storage Routing	
13	Flood Routing: Hydrologic Channel Routing	
14	An introduction to Groundwater Hydrology	
15	An introduction to Groundwater Hydrology	