

Republic of Iraq
Ministry of Higher
Education and Scientific
Research
Supervision and Scientific
Evaluation Apparatus



University: Shatt Al-Arab
College: Engineering
Department: Civil Engineering
Stage: 3rd stage

College: Engineering

Course Weekly Outline **Department: Civil Engineering**

Stage: 2nd stage

Experimental

Lecturer name: Dr. Ihsan Qasim

Academic title: Assistant Professor

University: Shatt Al-Arab

Week No.	Theoretical	Experimental
1	Basic Characteristics of soil	Specific gravity
2	Weight-volume relationships	Liquid limit
3	Weight-volume relationships	Plastic limit
4	Plasticity of fine grained soil	Seive analysis
5	Plasticity of fine grained soil	Hydrometer analysis
6	Soil classification	Proctor test
7	Soil classification	Field density
8	Soil compaction	Field density
9	Soil compaction	
10	Permeability of soil	
11	Permeability of soil	
12	Permeability of soil	
13	Seepage	
14	Seepage	
15	Seepage	