

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
Department: Civil Engineering
Course Weekly Outline

Stage: 2nd stage

Lecturer name: Dr. Insan Qasim

Academic title: Assistant Professor

University: Shatt Al-Arab

Week No.	Theoretical	Experimental
1	One dimensional consolidation theory	Consolidation test
2	Coefficient of consolidation, final consolidation settlement	Consolidation test
3	Degree of consolidation	Shear box test
4	Problem of time rate of consolidation	Unconfined test
5	Problem on consolidation	Triaxial test
6	Shear strength of soil	Triaxial test
7	Mohr-Coulomb failure criteria	Triaxial test
8	Determination of the shear strength parameter from direct shear test	Triaxial test
9	Determination of the shear strength parameter from triaxial test	Triaxial test
10	Determination of the shear strength parameter from triaxial test	
11	Pore water pressure parameter	
12	Pore water pressure parameter	
13	Problem on shear strength	
14	Problem on shear strength	
15	Problem on shear strength	