

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



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

Course Weekly Outline

Week No.	Theoretical	Experimental
1	Classification of structures and review of equilibrium	
2	Review of bending moment and shear force diagrams in beams	
3	Bending moment and shear force diagrams in frames	
4	Bending moment and shear force diagrams in frames	
5	Review of truss analysis	
6	Introduction to concept of influence lines	
7	Applications on influence lines for beams	
8	Applications on influence lines for trusses	
9	Applications on influence lines for trusses	
10	Determination of maximum reaction for series of moving loads	
11	Moment-area method	
12	Portal method	
13	Double-integration method	
14	Singularity function method	
15	Approximate method for truss analysis	