

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: 4th stage

Course Weekly Outline

Week No.	Theoretical	Experimental
1	Design of beams: Compound beams, deflection	
2	Plate girders: Design for bending, design of web	
3	Plate girder: Design of stiffeners	
4	Plate girder: Design of stiffeners	
5	Tension members: Tensile strength, effective section area	
6	Tension members: Built up tension members	
7	Compression members: Axially loaded compression members, built up columns	
8	Compression members: Axially loaded compression members, built up beam	
9	Compression members: Members subjected to compression plus bending	
10	Compression members: Column base plate	
11	Compression members: Column base plate	
12	Connections: bolted connections	
13	Connections: bolted connections	
14	Connections: bolted connections	
15	Applications of PDE	