



Course Weekly Outline

Week No.	Theoretical	Experimental
1	Introduction: Steel structures, properties of structural steel.	
2	Introduction: Design specifications, design methods, standard steel sections	
3	Design of beams: Laterally supported beams (design for bending and shear), web bearing	
4	Design of beams: Laterally supported beams (design for bending and shear), web bearing	
5	Design of beams: Laterally unsupported beams (design for bending and shear), beams subjected to biaxial bending	
6	Design of beams: Laterally unsupported beams (design for bending and shear), beams subjected to biaxial bending	
7	Design of beams: Compound beams, deflection	
8	Design of beams: Compound beams, deflection	
9	Plate girders: Design for bending, design of web	
10	Plate girders: Design for bending, design of web	
11	Plate girder: Design of stiffeners	
12	Plate girder: Design of stiffeners	
13	Plate girder: Design of plate stiffeners	
14	Plate girder: Design of plate stiffeners	
15	Applications of PDE	

