**Design of Reinforced Concrete Structures (3)**

Course Main Items:

1-Prestressed Concrete.

Course Details

1-Prestressed Concrete:

a) Basic concepts, advantages, applications, materials, systems.

b) Analysis: Basic assumptions, analysis of prestress, pressure line.

c)Design of simply supported beams, prestressing forces, losses, pressure line, deflections, cracking moment.

c)Applications to statically indeterminate structures.

d)Application to water tanks.

e) Types of slabs.

References:.

1.Krishna, N. Raju, Prestressed Concrete, 6th Edition.

بالتوفيق

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