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| Prereq.:0902348 | Course #:0902542 | Pre-Stressed Concrete [**3** – **0** – **3**] |
| Introduction to prestressed concrete, basic concepts of prestressing, prestressing systems and methods. Flexural strength: analysis and design, design based on strength requirements and serviceability requirements, camber, deflection, crack control, loss of prestress force, bond, development lengths, anchorage zone design. Shear. Composite sections. | | |