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| Prereq.:0902348 + 0902361 | Course #:0902562 | Foundation Engineering [**3** – **0** – **3**] |
| Site investigation and estimation of soil properties; shear strength of soil and consolidation theories related to the analysis and design of shallow and deep foundation; evaluation and design of shallow foundations including settlement and bearing capacity calculation; factors to considers in foundation design; Bearing Capacity for special cases of foundations; introduction to deep foundation, and stability of retaining structures. |