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| Prereq.:0902262+0905213 | Course #:0902361 | Geotechnical engineering [**3** – **0** – **3**] |
| Composition and structure of soils, Phase relations and index properties, soil classification, soil compaction, principle of effective stress, stresses due to self-weight, stresses due to applied loads, soil permeability, seepage: one and two dimensional, flow net, consolidation theory and consolidation settlement analysis. Introduction to Shear strength and its laboratory testing. Introduction to lateral earth pressure theory. |