

**Course Contents:**

Stresses within a soil, effective stress principle, stress point and stress path, Soil water systems capillarity, flow, Darcy's law, permeability, and tests for its determination, different heads, piping, quicksand condition, seepage, flow nets, Compressibility and consolidation characteristic; Strength of loose and dense sands, NC and OC soils, dilation, pore pressures, Skempton's coefficients, etc. Compaction characteristics, water content dry unit weight relationships, OMC, max. dry unit weight, field compaction control, etc.