

**CE682A: Analysis of Pavement Structures****3-0-0-0 [9]****Course Contents:**

Review of basic principles of theory of elasticity. Mechanical modeling of pavement materials-bound and unbound materials, stress-dependant and time-dependent response (with reference to modeling of bituminous mix, aggregates and soil). Beams on elastic foundation; Analysis of concrete pavement - load stress and thermal stress; Elastic half-space; Analysis of bituminous pavement - load stress and thermal stress.