

CE481A: Transportation Facilities Design**3-0-0-2 [11]****Course Contents:**

Any two of the three modules listed below will be taught in any semester. Module 1 (Traffic Design): Introduction; Freeway and toll booths; Intersections/interchanges; Signs and lighting; Arterials/weaving section; Congestion mitigation. Module 2 (Pavement Design): Introduction; Design parameters; Bituminous pavement; Concrete pavement; composite pavement. Module 3 (Geometric Design): Introduction; Design controls and criteria; Freeway design; Arterial/collector design; at grade intersections; terminals.