

TRANSPORTATION FACILITIES DESIGN

3-0-0-2-11

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, atgrade intersections, terminals.