

PEHD5301 MOVEMENT AND NETWORKS (3-0-0)

Fundamentals of transport and movement, Urban Movement systems; Classification of movement systems; technological characteristics of transport modes and systems; nature of demand and supply of transport services. Land-use-transportation inter-relationships; movement planning process; Travel demand forecasting.

Sampling methods, survey techniques, designing O.D & other traffic and transportation surveys, programming and scheduling, processing of travel data, analysis and interpretation of traffic studies. Traffic and movement planning process and models, Origin Destination studies. Planning for Public movement systems; local area traffic management and planning consideration for goods transportation.

Appreciation of importance of parking in movement system, parking surveys, parking norms & standards and new approaches to parking systems. Design of transport and movement infrastructure.

Recent innovations in technologies and its probable impacts on future urban forms. Government transport policies and evaluation of transportation proposals.

References:

- 1.Urban Landuse Planning by S.Chapin& L. Keeble
- 2.Reading Material on Transportation Planning– I.T.P.I.