

Department: Civil & Environmental Engineering
Level and Major: Graduate- Transportation Engineering

Division: Civil engineering

Course Title: Transportation planning

Number of Credits: 3

Prerequisite (Corequisite): Structural analysis (I), Concrete Technology **Lecturer: -**

Course Topic

- Transportation and its role in the community – targeting in transportation – transport information station – introduction / zoning / methods of gathering information of origin – destination/ innovative method of origin – destination statistics – regional planning and urban development
- **Transportation demand:** introduction/ demand estimation method/ land use models/ travel production and absorption model/strave l distribution model/svehicle selection models and appropriation models
- **Supply of transportation:** introduction / pricing / supply models in general case/ equilibrium flow in network/ shortest distance/ traffic allocation
- **Costs of transportation:** functional programs of public transportation systems – traffic management –case studies

Course Description:

Reading Sources:

Course Goals and objectives:

Evaluation:

Course topics:

The course aims to: