

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

Division: Civil engineering

Course Title: Transportation system analysis and evaluation

Number of Credits: 3

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

Course Topic

- Investigation of transportation systems in relation to economic and social activities and land use
- Investigating the balance of supply and demand in transportation
- Investigating the relations of different predictive models in transportation systems and their applications
- Predicting user behavior in the transportation system
- Investigating the types of analysis and evaluation methods in transportation
- Strategy management in transportation
- Analysis and evaluation of public transportation systems
- The issue of equilibrium flow in transportation networks
- The equilibrium flow with flexible demand
- Transportation network design and maintenance
- Evaluate transportation projects in uncertain conditions

Course Description:

Reading Sources:

Course Goals and objectives:

Evaluation:

Course topics:

The course aims to: