C E 481: Transportation Engineering I

Civil Engineering

Major transportation modes and their characteristics; mechanics of motion; geometric and intersection design; traffic flow theory; probabilistic methods; capacity analysis; planning models; environmental impact analysis; economic evaluation; Intelligent Transportation System (ITS) and computer applications.

3 Credits

Prerequisites

- C E 207: Surveying

One-way corequisites

- Math 353: Elementary Differential Equations
- Engr 310: Engineering Analysis I

Instruction Type(s)

- Lecture: Lecture for C E 481

Course Fee(s)

Civil Engineering 2

- $100.00

Subject Areas

- Civil Engineering, General
- Transportation and Highway Engineering

Related Areas

- Civil Engineering, General
- Geotechnical and Geoenvironmental Engineering
- Structural Engineering
- Transportation and Highway Engineering
- Water Resources Engineering