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
- Pre-Requisite: 24 Earned Hours

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