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

One-way corequisites

- Math 353: Elementary Differential Equations

Instruction Type(s)

- Lecture: Lecture for C E 481

Course Fee(s)

Civil Engineering 2

- $100.00 when booked for:
  - Fall, First Fall, Second Fall 2017-18

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