

# 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, Other](#)
- [Geotechnical and Geoenvironmental Engineering](#)
- [Structural Engineering](#)
- [Water Resources Engineering](#)

