

# 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](#)
- [C E 208: Civil Engineering Graphics I](#)

### Instruction Type(s)

- Lecture: Lecture for C E 481

### Subject Areas

- [Civil Engineering, General](#)
- [Transportation and Highway Engineering](#)

### Related Areas

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

