

# C E 481: Transportation Engineering I

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

- <u>C E 207: Surveying</u>
- <u>C E 208: Civil Engineering Graphics I</u>

#### Instruction Type(s)

• Lecture: Lecture for C E 481

#### Course Fee(s)

- **Civil Engineering 2**
- \$100.00

### **Subject Areas**

- <u>Civil Engineering, General</u>
- Transportation and Highway Engineering

#### **Related Areas**

- <u>Civil Engineering</u>, Other
- Geotechnical and Geoenvironmental Engineering
- <u>Structural Engineering</u>
- Water Resources Engineering

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