

# 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

Pre-Requisite: 24 Earned Hours

### **One-way corequisites**

Math 353: Elementary Differential Equations

#### Instruction Type(s)

• Lecture: Lecture for C E 481

#### Subject Areas

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

### **Related Areas**

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

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