

## **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

- <u>C E 207: Surveying</u>
- 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

Ivii Engineering

### • \$100.00

### **Subject Areas**

- Civil Engineering, General
- Transportation and Highway Engineering

## **Related Areas**

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

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