

## **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**

- Pre-Requisite: 24 Earned Hours

#### **One-way corequisites**

- [Math 353: Elementary Differential Equations](#)

#### **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](#)

