

# 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

