

# **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

• Pre-Requisite: 24 Earned Hours

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

<u>Math 353: Elementary Differential Equations</u>

### Instruction Type(s)

• Lecture: Lecture for C E 481

## **Subject Areas**

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

#### **Related Areas**

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

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