

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

