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
• C E 207: Surveying
• 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
• $100.00

Subject Areas
• Civil Engineering, General
• Transportation and Highway Engineering

Related Areas
• Civil Engineering, General
• Geotechnical and Geoenvironmental Engineering
• Structural Engineering
• Transportation and Highway Engineering
• Water Resources Engineering