

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

- <u>C E 207: Surveying</u> \$target.descriptions.MinimumGrade\$
- C E 208: Civil Engineering Graphics I \$target.descriptions.MinimumGrade\$

Instruction Type(s)

• Lecture: Lecture for C E 481

Subject Areas

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

Related Areas

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

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