

# CIEG-507: Traffic Flow Theory

This course is mainly oriented towards transportation engineering students interested in learning the fundamentals traffic engineering studies. The course is structured on the basic objective for students to be able to understand Traffic Flow Modeling, Transportation Networks Modeling and Traffic Assignment, Detection and Forecasting, Traffic Control and Optimization. This course includes details of macroscopic and microscopic models. Prerequisites: CIEG-351; CIEG-416; CIEG-465.

**Credits:** 3

**Program:** Civil Engineering