

Course Catalog - Spring 2010

Civil and Environmental Engineering

515 ***Traffic Flow Theory*** credit: 4 hours.

Fundamentals of traffic flow, traffic flow characteristics, statistical distributions of traffic flow parameter, traffic stream models, car following models, continuum follow models, shock wave analysis, queuing analysis, traffic flow models for intersections, network flow models and control, traffic simulation. Prerequisite: CEE 416 and knowledge of probability and statistics.