Objectives:

Cultivate an appreciation for the highway safety problem, and a passion for doing something about it. Gain proficiency in the following 5 “core competency” areas recommended by the Transportation Research Board:

1. The Nature of Road Safety
2. The History and Institutional Settings of Road Safety Management
3. The Origins, Characteristics, and Uses of Crash Data
4. Contributing Crash Factors, Countermeasure Selection, and Evaluation
5. Road Safety Program Management

Understand contemporary highway safety issues in an academic context by reading and critiquing scholarly literature on the subject as well as navigating the landscape of technical resources on the subject.

Resources:


Federal Highway Administration Highway Safety Training Website: http://safety.fhwa.dot.gov

Readings and References as Assigned
Topics:

Core Competencies
Intersections
Local and Rural Roads
Pedestrian and Bicycle
Crash Data Analysis
Human Factors
Crash Reconstruction
Roadway Departure
Speed Management

Grading:

Homework: 25%
Class Participation 15%
Exam 1: 15%
Exam 2: 15%
Presentation 1: 15%
Presentation 2: 15%