

Spring 2009

Planning for Traffic Safety and Injury Control

Civil Engineering C265
(**Cross Listed**) Public Health C285
3 Units
TuTh 8-9:30AM 321 Haviland

Injury from motor vehicle collisions is a major cause of death and disability in the United States and is the leading cause of death and disability for ages 1-34. The course will examine principles of engineering and behavioral science relevant to preventing traffic collisions and subsequent injury. Human behavior, vehicle design, and roadway design will be considered as interacting approaches to preventing traffic crashes and injury. Safety of vulnerable road users (primarily pedestrians and bicyclists) will be covered extensively. Specific skill sets developed in the class include:

- Analysis of traffic collision and injury data;
- Identification of collision risk in a road network;
- Identifying causal factors;
- Identifying and evaluating countermeasures.

Students will also prepare and present a research paper. The class is open to students of all academic backgrounds.

Instructors:

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