

CLASS SYLLABUS – CP 4310 – FALL 2011

URBAN TRANSPORTATION

Instructor: Jamie Cochran, AICP

Urban transportation systems play a huge role in the form and function of cities, regions, states, and nations. This class will explore the nature of urban transportation systems and the planning processes, methods, and tools used by planners to plan and develop them. Students will learn about the history of urban transportation planning, its relationship to land use and comprehensive planning, trends in urban transportation, and emerging issues. Technical methods for understanding travel patterns and identifying and evaluating strategies for improving urban transportation will also be covered.

Class Content

The following specific topics will be explored in class:

- The Nature of City Planning
- The Relationship of Cities and Transportation Systems
- The Decision-Makers in Transportation
- History of Urban Transportation Planning
- Data Sources and Technical Tools for Transportation Analysis
- Passenger Transportation Modes
- Freight Transportation Modes
- Financial Analysis for Urban Transportation
- Life Cycle of Transportation Projects
- Urban Transit System Development
- Congestion Management Strategies
- Toll and Managed Lane Systems
- Short- and Long-Term Strategies for Urban Transportation Systems

Student Grades

Students are expected to engage themselves in class discussions and exercises to enhance their understanding of the subject matter. Readings will be assigned each week and should be completed prior to class. Student grades will be determined based on the following criteria:

20%	Class Participation (i.e. attendance and engagement in discussions and exercises)
60%	In-Class Tests (20% for each of three tests)
20%	Homework Assignments (10% each for two assignments)
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100%	

Honor Code

All in-class tests and homework assignments are individual efforts. No group participation or collaboration will be permitted.

Excused Absences

From time to time, life events, such as illness, death in the family, job interview, etc., will make attendance in class not possible. If students are unable to attend class, they will be expected to notify the instructor in advance of the class of the situation. It is the student's responsibility to obtain information or instructions discussed in the class.

Required Reading

"Still Stuck in Traffic" by Anthony Downs, Brookings Institution plus handouts developed by the instructor.