CE & CRP 775 Urban Transportation Planning (4 units)
Fall 2011
Period 1: Sept. 21 – Oct. 26

Instructor
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Meeting Time and Place
Lectures: Monday and Wednesday 3.30 – 5.18
Bolz Hall, Room 428
Office hours: Tuesday 10.30 – 12.18 or by appointment
Room 491C Hitchcock Hall

Description
Period 1 of this course motivates the need for forecasting travel demand and introduces
the four-step process to do so. Subsequently, of the four steps, trip generation (the first)
and traffic assignment (the fourth) are covered in detail.

Requirements
1. Readings: class handouts.
2. Problem Sets (40%).
3. Exam (60%): in-class on Wednesday October 26 (5th full week).

Policy on Academic Misconduct
The solution to the problem sets and exams should be each student’s own independent work. Any deviation from this requirement constitutes an act of academic misconduct and will be addressed in a strict and serious fashion.

OSU defines academic misconduct “as any act that undermines the academic integrity of the University or subverts the educational process. It includes plagiarism and dishonest practices associated with examinations as well as any other form of misconduct associated with academic work or grading. Plagiarism is the act of taking ideas, writings, or drawings of another and offering them as one’s own. Plagiarism may be copying of someone else’s work, word-for-word, in part or in the whole without acknowledgment. Other forms of plagiarism involve paraphrasing the structure and language of another person’s work by changing the order or omitting sentences, or writing based strictly on the ideas of another.”
References
The following are placed on reserve at the Science and Engineering Library:

Topics
1. Introduction to Urban Transportation Planning
2. Motivation for Demand Forecasting and Basic Concepts
3. Growth Factors Approach
4. Four-Step Process
5. Trip Generation: Concept
6. Trip Generation: Cross-classification Approach
7. Trip Generation: Regression Modeling Approach
8. Traffic Assignment: Link Performance Functions
9. Traffic Assignment: Concept
10. Traffic Assignment: Methodology