Jonathan Hughe jonathan.e.hughes@colorado.e Office: Economics 4E

ECON 4555 Transportation Economics FALL 2012 MWF 9:00-9:50, MUEN E431 discusses: the key findings of the paper; majourassions or limitations of the analysis; issues of relevance for policymakingl will randomly select several of these summaries during the semester to evaluate as part of your class participation grade.

* Denote readings in the course schedule for whichou are to turn in an executive summary.

Grading:

15% Class participation 25% Problem sets 30% Midterm exam 30% Final exam

Problem Sets and Empirical Exercises

Throughout the course students will be assigned problem sets that represent a mix antheo empirical work. For empirical exercises, we will be using data from recent studies and published government reports. The class will meet in a campus computer cluster to begin these exercises, though students may be expected to complete these ansatigs outside of class. An important goal of this course is to expose students to the data sources used to analyze transportation markets and policies ue dates are listed on the course syllabus.

Examinations:

There will be an in class miterm exam o Wednesday October 242012 and a final exam on Monday December 172012 from 1:30 D4:00 pm.

Late Assignments and Missed Examinations:

Problem sets and other assignments are due before the start of class on the date due. No late assignments will becarepted except in the case of documented medical or family emergency. No makeup exams will be given. If you foresee a conflict, contact me as soon as possible in order to make alternate arrangements for you to complete the requirements of this course.

Lecture Notes My lectures will make use of both the chalkboard and Powerpoint. The lecture slides and graphs can be downloaded from the class web site, available **Digbegin**. Please visit this class website often.

Campus Policies: will adhere to all campus policies with respect to disabilities, religious

Tentative Course Outline

Week 1: Overview: transportation markets, energy and the environment

August 27 Lecture 1 Introduction- course goals, thinking like an economist

August 29 Lecture 2. Market for driving

August 31 Lecture 3. Computer Lab KTCH 117. Introduction to empirical analysis

Reading: "What is econometrics"

Problem Set Distributed

Week 2: Aggregate demand for transportation

September .3Labor DayHoliday ĐNo class

September 5Lecture 4. Gasoline demand

Reading: *Hughes, Knittel and Sperlin Devidence of a Shift in the Shertin Price Elasticity of Gasoline Demand Demand Spergy Journal (2008).

September.7Lecture 5. Gas prices, fuel economy and vehicle choice

Reading: *Busse, Knittel and Zetteleyer OAre Consumers Myopic? Evidence

from New and Usd Car Purchas éAmerican Economic Review (2012).

Problem Set Due

Week 3: Environmental economics review

September 1.0Lecture 6. Measures of value, measures of waste, efficiency

September 1.2 ecture 7. Externalities, marginal private and marginals cost

September 1.4Lecture 8. Policies for addressing externalities

Problem Set Distributed

Week 4: Costs of driving

September 1.7Lecture 9. Drivingrelated externalities

Reading: *Parry, Walls and Harrington

Week 6: Costs of drivin@continued

October 1 Lecture 15. Carbon trading

Reading: TBD

October 3 Lecture 16. Low Carbon Fuel Standards

Reading: *Holland et. al. Osome Inconvenient Truths Abut Climate Change Policy: The Distributional Impacts of Transportation Policible ational Bureau of Economic Research (2011).

October 5 Lecture 17. Renewable fuel standards

Problem Set 3Due

Week 7: Costs of driving continued

October 8 Lecture 18. Bifuels

Reading: *Anderson ÒThe Demand for Ethanol as a Gasoline Substition of Environmental Economics and Management (2011).

October 10Lecture 19. Fuel economy standards

Reading: ÒEssaysÓ Chapteř & CobsonÒ

Reading: TBD

November 2Lecture 28. Vehicle choice

Problem Set 5 Due

Week 12: Public transportation
November 5Lecture 29. Public transportation
Reading: ÒEssaysÓ Chapter 11
November 7Lecture 30. Should transit be subsidized?
Reading:

Reading: *RoseÒThe Incidence of Regulatory Rents in the Motor Carrier IndustryÓRAND Journal of Economics (1985)

December 12Lecture 42. Railroad deregulation

Reading: *Wilson. ÒMarket-Specific Effects of Rail DeregulatiÓnJournal of Industrial Economics (1994)

December 1.4Lecture 43. Catch