

Fall 2019

TRAN 610-101: Transportation Economics

R. Liu

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SYLLABUS

TRAN 610-101 Transportation Economics

Fall 2019

Prerequisite: undergraduate course in economics. Principles of engineering economy. Cost of highway and public transportation facilities. Economic comparisons and evaluations. Financing approaches, tax allocation theory. Programming highway and public transit improvements. Same as [IE 610](#).

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Meeting Time:

6:00 – 9:05 PM, Tuesday

Meeting Location:

KUPF 203

Instructor:

Dr. R. Liu
Office: 217 Colton Hall
Phone Number: 5884

Office Hours:

10:00 AM – 1:00 PM, Thursday or by appointment

Text Book:

Spurling, David J, Introduction to Transport Economics: Demand, Cost, Pricing, and Adoption, 2010.

Grade Policy:

1. Home Work	20%
2. Class Participation	10%
3. Mid-term Paper/Project	30%
4. Project Presentation	10%
5. Final Project Report	30%

Class Schedule

ID	Date	Contents	Assignment
1	9/1	Introduction/Importance	Get Text Book
2	9/10	Demand for Passenger Transport/Freight	HW01 Out
3	9/17	Cost Structure/Forms of Competition	HW01 Due
4	9/24	Pricing Policy/Government Intervention	
5	10/1	Road /Rail	Midterm Assignment
6	10/8	Shipping Port/Airport	
7	10/15	Aviation/Safety	
8	10/22	Midterm	Midterm Due
9	10/29	Field trip or invited speaker	
10	11/5	Coordination/Public Sector	HW02 out
11	11/12	Cost Benefit Analysis/ Local Authorities and Transport	HW02 Due
12	11/19	Measure of Efficiency/Investment	Final Assignment
13	11/26	No Class, Th schedule	
14	12/4	Economies of Scale/Problem of Peak	
15	12/11	Final Presentation	
16	12/18	Final Due	Final Due