Undergraduate Minor in Transportation and Logistics

TRANSPORTATION 310: PREVIOUS PAPER TOPICS

First Paper: Case Study
A descriptive case study of a particular transportation or logistics firm or industry, or of a public policy debate.
- Passenger rail in the United States
- O'Hare expansion plan
- Capacity problems for Union Pacific railroad
- The Chicago Metropolis 2020 plan
- Urban growth boundaries
- Facility location for emergency services
- Airline response to fuel price increases
- Capacity expansion at San Diego airport
- Railroad track maintenance
- Highway privatization
- Foreign investment restriction in U.S. aviation
- Railroad regulation in the United States
- US Airways / America West merger
- The Chicago area transit financial crisis of 2007
- Dynamic routing for commercial trucks
- Fourth party logistics
- Transportation and the environment
- Regulation of motor carriers
- Design of parking lots
- Airport privatization
- Low cost air carriers in Asia
- Electronic ticketing for commuter rail
- Effect of urban growth boundary on Portland, Oregon
- Developments in ocean shipping companies
- “Cashing out” of parking by employers
- Transit in Colorado Springs
- Container shipping possibilities on the Great Lakes
- Effect of highway congestion pricing on retail stores
- Effect of videoconference on business air travel
- Exclusive highway lanes for BRT and taxis
- Anti-trust immunity and airline fares
- Defining captive shippers of railroads
- Evolution of air cargo hubs
- Economic development effects of high-speed passenger rail
- Rail transit in Los Angeles
- Growth of Emirates, Eithad and Qatar airlines
- Activity-based travel demand models
- Effect of California high-speed passenger rail on land use
- Reverse logistics in retailing
- Mapping for disaster preparedness
- Barriers to domestic Bus Rapid Transit development
- Economic impact of Japanese high-speed trains
- Effect of new high-speed rail service on land use in Takaoka, Japan
- Queuing models of airport security screening
- Express rail service to O'Hare
- ADA Paratransit finances
- The Hyperloop
- IKEA's supply chain
- Cruising for parking

**Second Paper: Research Paper**
An extended, analytical, paper that evaluates a specific public policy initiative or a business issue.

- High speed passenger rail feasibility in the United States
- Effect of competition on air fares
- Design of Lincoln Street / Sheridan Road intersection
- Essential Air Services program evaluation
- Population density and transit performance
- Effect of flight restrictions on Dallas Love Field on fares at Dallas-Fort Worth airport
- Effects when an airport ceases to be a hub (two separate student papers)
- Cabotage in aviation
- Financial feasibility of Positive Train Control
- Effect of travel across time zones on performance of professional baseball players
- Oil and gas exports from Russia to Europe
- Effect of truck driver safety violation notification system
- Effect of fuel prices on airline financial performance
- ADA paratransit provision
- Transit investments association with the Olympic Games
- Carbon emissions in supply chains
- The effect of ethanol as a fuel on food production
- Air cargo to Hawaii
- Effect of airline capacity reductions in 2008
- Worldwide airline stock prices
- Effect of population growth on commuter rail ridership
- Comparison of transit provision in five cities
- Competition between container shipping companies
- Parking policies on Northwestern’s Evanston campus
- Financial performance of high-speed passenger rail
- Pedestrian deaths on the railroad
- Effect of e-shopping on shopping trips
- Stability of duopoly in airline markets
- Cost-benefit analysis of exclusive highway lanes for BRT and taxis
- Competition and fares on air routes from Las Vegas
- Market power in coal transportation from the Powder River Basin
- Effect of airline baggage fees
- Effect of network expansion on ridership of Los Angeles rail transit
- Growth of transcontinental air service
- How the valuation of time may vary by mode
- Ranking U.S. corridors for high-speed passenger rail development
- Airline market power and flight delays
- Self on self-distribution laws on development of craft breweries
- Comparison of BRT versus LRT ridership in Los Angeles
- Airport security screening
- Fare elasticities for subway and commuter rail services
- Effect of texting bans on highway fatalities
- Effect of “bad news” on airline stock prices
- Development in railways in the Soviet Union 1917-1932
- Optimal locations for hub airports in the United States