

Urban Planning and Public Affairs
University of Illinois Chicago

UPP 565: Public Transportation Planning and Methods

Instructor: Dr. P. S. Sriraj

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Course Objectives: This course covers the theory and practice of the planning, operation, management, and design of public transit and paratransit systems.

Suggested Reading:

- Khisty, C. J., and Lal, B. K., (2001) Transportation Engineering: An Introduction, 2nd Edition, Prentice Hall, NJ.
- Gray, G.E., and Hoel, L.A. (eds.), (1992) Public Transportation, 2nd Edition, Prentice Hall, NJ.
- Meyer, M.D., and Miller, E.J. (2001), Urban Transportation Planning, 2nd Edition, McGraw Hill, NY
- Vuchic, V., (2007), Urban Public Transportation Systems and Technology, Prentice-Hall.
- Vuchic, V (1999), Transportation for Livable Cities, Center for Urban Policy Research, Rutgers University, NJ.
- TCRP Report 100, Transit Capacity and Quality of Service Manual, 2003.
- Compendium of Papers and related information.

Grading:	Assignments	15%
	Exams (1x45)	45%
	Term Paper	25%
	Presentation	10%
	Class Participation	5%

Code of conduct: All written work, data and ideas that are not your own must be cited. Please refer to http://www.seas.upenn.edu/grad/CODE_ETHICS_01C.doc for a clear definition of plagiarism and other related aspects of the code of ethics for students. The

instructor reserves the right to report acts of plagiarism to the Department and the University.

Date	Topic
January 12	No Class
January 19	Introduction and History; Transit modes and Characteristics
January 26 Planning	Regional and Legislative Issues; Urban Development and Land Use
February 2	Bus Transit Service and Scheduling
February 9	Rail Transit Service and Scheduling
February 16	Transit Planning (Bus and Rail) (Guest Lecture – Joe Ioccabucci, CTA)
February 23	Field Visit CTA Scheduling/ Transit Capacity and Quality of Service
March 2	Field Visit CTA Control Center / Proposals Due
March 9	Paratransit
March 16	Transit Market Research/Data Collection (Guest Lecture: Jason Minser, CTA)
March 23	Spring Break
March 30	Regional Coordination (Guest Lecture: Mark Minor, RTA)
April 6	Non-motorized facilities (Guest Lecture: Sagar Sonar, Multimodes Engineering)
April 13	Public Transportation Information Systems/ ITS
April 20	Transit Costs and Evaluation/ Transit Finance & Other topics in transit; Term-paper Due
April 27	Student Presentations
May 4	Exam II

Dates and topics are tentative and subject to change.