

**PUP 591: Transportation Systems
Professional Seminar
Fall, 2011
Schedule Line No. 73671**
Thursdays, 5:40 to 8:10 pm in
Stauffer Communications A room 241

INSTRUCTOR

Dr. Michael Kuby
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Office Hours: Tuesdays, 1:30-3:00
Thursdays, 10:30-12:00

Course Information

This course is a broad introduction to transportation designed for students in the Interdisciplinary Graduate Transportation Systems Certificate program at ASU. It is intended to provide a cross-disciplinary educational experience intended to introduce a multi-modal, interdisciplinary approach to understanding transportation issues. Since this class is a seminar, all members will be expected to participate actively in discussions. The meetings will enable students to interact with each other and with other transportation-related professors and professionals.

Format

The course is built around the Arizona Town Hall Background Report on Transportation prepared by over a dozen faculty members, research staff and transportation professionals from ASU, U of A, ADOT and other state agencies, and several private consulting firms. It was organized and edited by me and Dr. Aaron Golub. We will be reading each chapter and discussing them with their authors. Each week, a chapter (or more than one) from the report and other short background readings will be assigned to be read for that week. A short assignment, to be turned in, will help guide the readings and prepare you for discussion in class. The assigned chapters will then be discussed on the following Thursday.

Course Requirements

The course is based on a reading-discussion "seminar" model and the core learning experience will happen in the classroom with the contribution of everyone, based on an understanding of and response to the chapters and discussion with the authors. The students will have a **set of required readings** for all class meetings and therefore **attendance is absolutely required**. Each week, the **short assignment** from the readings is to be turned in **HARD COPY IN-CLASS**. Bring it with you to help with your discussion in class. A term assignment will also be required, to be discussed later in the semester.

Grading Procedures and Policies

50%: Weekly assignments based on the readings.

20%: Final research assignment

30%: Attendance Grade = $(30 - N^2)/30$, where N = number of classes missed

Please email Dr. Kuby regarding any excused absences (due to official school business or medical, or family emergencies).

Instructional Resources

The AZ Town Hall Report, *From Here to There: Transportation Opportunities for Arizona*, can be downloaded at: http://www.aztownhall.org/pdf/94th_Background_Report2.pdf (I'd recommend right-clicking and saving the file the file instead of viewing through a browser). Additional readings will be found on the Blackboard site. Sometimes important notices will be emailed directly to you.

Weekly Schedule

Note: With so many speakers involved, please be advised that the schedule is subject to change.

Date	Chapter and Topic	Authors with <u>Guest Speaker Underlined</u>
Aug. 18	Ch. 1 Introduction + Course Structure + Transport Economics	Aaron Golub, ASU Planning; <u>Michael Kuby</u> , ASU Geography; Jason Kelley, ASU Planning
Aug. 25	Ch. 3 Metropolitan Transportation and Land-Use Planning Ch. 17 Community Involvement in Transportation Infrastructure Planning	<u>Aaron Golub</u> , ASU Planning
Sept. 1	Ch. 1 Introduction, cont'd. + Transport Economics, cont'd. + Hand Out Final Paper Assignment	Aaron Golub, ASU Planning; <u>Michael Kuby</u> , ASU Geography; Jason Kelley, ASU Planning
Sept. 8	Ch. 4 Rural Transportation	Ethan Rauch, AECOM; Jennifer Toth, ADOT; John McNamara. <u>Speaker: Mike Normand, ADOT</u>
Sept. 15	Ch. 13 Freight and Logistics Ch. 5 NAFTA/Border Issues	<u>Arnold Maltz</u> , ASU Supply Chain Management Stephen Blank, Erik Lee, and <u>Rick van Schoik</u> , ASU North American Center for Transborder Studies-NACTS
Sept. 22	Ch. 6 Tribal Lands Ch. 7 National Parks	Esther Corbett, Norm DeWeaver, <u>Patricia Mariella</u> , American Indian Policy Institute, ASU Dave White and Jessica Aquino TBD, ASU Community Resources and Development Speaker TBD
Sept. 29	Ch. 15 Aging and Mobility	Sandra Rosenbloom, UA Planning/Gerontology/Natural Resources/Women's Studies. Speaker TBD
Oct. 6	No Class	
Oct. 13	Ch. 12 Long-Distance Passenger Rail	<u>Matthew Croucher</u> , Tim James, and Eva Madly, ASU W.P. Carey School of Business
Oct. 20	Ch. 9 Public Transit	<u>Aaron Golub</u> and Jason Kelley, ASU School of Planning
Oct. 27	Ch. 18 Transportation Finance	Jeffrey Chapman, ASU School of Public Affairs and Martin Shultz, Pinnacle West Corporation. Class to be taught by <u>Tim James</u> , ASU W.P. Carey School of Business
Nov. 3	Ch. 11 Air Transport	<u>Lawrence Gesell</u> , ASU Aeronautical Management and Technology

Nov. 10	Ch. 10 Non-motorized Transportation Ch. 14 Transportation Safety	<u>Ram M. Pendyala, Karthik Konduri, and Joseph Plotz</u> , ASU Sustainable Engineering and the Built Environment Simon Washington and Kangwon Shin, ASU Sustainable Engineering and the Built Environment. <u>Kohinoor Kar</u> , ADOT Traffic Safety Section
Nov. 17	Ch. 8 Highway Travel and Congestion + Intelligent Transportation Systems	<u>Soyoung Ahn</u> , Zuduo Zheng, and Sravani Vadlamani, ASU Sustainable Engineering and the Built Environment <u>Pitu Mirchandani, ASU Industrial Engineering??</u>
Nov. 24	Thanksgiving – No Class	
Dec. 1	Ch. 2 Gasoline Prices Ch. 16 Alternative Fuels	<u>(Michael Kuby</u> , ASU Geographical Sciences and <u>Bill Schaeffer</u> , Valley of the Sun Clean Cities