Coordination of land use and transportation is one of today’s hot topics in urban planning, mainly because other solutions to traffic congestion have proven so ineffective. If we cannot pave our way out of congestion, we must reduce the need for so much vehicular travel, or so the theory goes. This is where coordinated land use and transportation planning comes in.

Objectives

The objective of this course is to make you familiar with current thinking on land use, transportation, and the coordination of the two. This course is based on a training course developed for the National Transit Institute (NTI) and delivered to land use and transportation professionals in 30 metropolitan areas across the U.S. It has also been offered to transportation professionals through the American Planning Association’s (APA’s) Planners Training Service. It has been taught at Rutgers University and the University of Maryland. The greater time available for this course should allow us to do a better job than in the NTI or APA training courses. Students who perform well in this course will be competitive for employment at progressive transportation agencies such as the Utah Transit Authority, Wasatch Front Regional Council, and Salt Lake City.

Readings

All readings are electronic. They are either in the course folder, which you can access from remote locations. Or they are downloadable off the web. Readings are to be completed prior to the class period in which they are listed.

Structure of Course

The course is a combination of guest lectures, our lectures (Ewing and Lyons), your mini lectures, discussion of readings, and class exercises. The typical class will start with a one-hour lecture by Ewing or Lyons, followed by a multiple choice quiz, followed by a 5 minute break, followed by a 10 minute student mini lecture, followed by a one-hour guest lecture by a leading planning practitioner. After teaching this course many times, I have found that it works best with this kind of variety of activities.
Grades

Grades will be based on:

Participation – 20% (class discussion and group exercises)
Quizzes – 15%
Assignments (including presentations) – 15%
Midterm Exam – 20%
Final Project – 30%

Participation and Exercises
Attend class. Come prepared to discuss the readings and to ask questions of guest lecturers. Exercises involve small group, in-class activities and will occur in the class period listed.

Quizzes
Short multiple choice quizzes will be given near the midpoint of class periods and will be based on both lectures and readings.

Assignments
Assignments are done outside class and are due the following week.

Each student will be required to give one PowerPoint lecture to the class on a topic of his or her choosing. Good presentations will be given from memory, with minimal use of notecards. Reading from a script is not acceptable.

Midterm Exam
The exam consists of short-answer questions (paragraph length answers) on individual topics and one essay question that requires you to integrate material from the various topics covered to date. You can find an example of an old exam in the course folder.

Final Projects
As your final project for the course, you will work individually or in small groups on an integrated land and transportation planning project of your own choice. I may suggest some possibilities later in the semester. Examples of outstanding projects are contained in the course folder.

Project grades will be based on (1) level of effort, (2) integration of course material into the project, (3) clarity and professionalism of presentation and writing, (4) quality of graphic materials, (5) provision of pertinent background information, (6) adequacy of data and analysis and defensibility of conclusions, (7) concise review and appropriate citation of relevant literature, (8) originality of topic and approach, (9) adherence to my guidelines, and (10) general interest level. Remaining within the allotted time for presentation will also be taken into account. The final two class periods will be devoted to presentations of term projects.
Proposed Schedule

January 10: Overview of Course/Performance Measures

**Guest lecture: Ryan Hales, Hales Engineering (confirmed)**


http://www.cp-dr.com/node/3549

**Assignment: Catalogue performance measures in regional transportation plans**

January 17: Conventional Planning and Reforms

**Guest lecture: JP Goates, Salt Lake City (confirmed)**


**Assignment: Find Euclidean and mixed use zoning ordinances**

January 24: Regional Planning

**Guest lecture: Ted Knowlton, Wasatch Front Regional Council (confirmed)**


**Assignment: Analyze LOS on South Temple with Artplan**

January 31: Community Design
Guest lecture: Cark Duke, Property Reserve, Inc., (confirmed)

Assignment: Evaluate Orenco Station from LEED-ND standpoint (or apply MXD method to Woodmont Commons)

February 7: Transit-Oriented Development

Guest lecture: Hal Johnson and Paul Drake, Utah Transit Authority (confirmed)


February 14: Walkability and Bikeability

Guest lecture: Heidi Goedhart, Utah Department of Transportation (confirmed)

Assignment: Photograph and document a great street

February 21: Traffic Calming
**Guest lecture: Bill Baranowski, West Jordan (confirmed)**

**Assignment: Visually simulate a street with traffic calming using Photoshop**

February 28: Context-Sensitive Street Design

**Guest lecture: Mike Brown, MetroAnalytics (confirmed)**

**Assignment: Design a street using Streetmix**

March 7: Growth Management and Smart Growth

**Guest lecture: Ari Bruning, Envision Utah (confirmed)**

**Assignment: Description of final project topic**

March 21: Land Use Impacts on Travel

**Guest lecture: Jon Larsen, Salt Lake City (confirmed)**

**Assignment: Introduction to final project with research question or questions (2 of 15 pages single-spaced)**
March 28: Midterm

April 3: Transportation Impacts on Land Use

**Guest lecture: Jeff Harris, E.W.O. Consulting (confirmed)**

**Assignment: Literature review (4 of 15 pages)**
For guidance on literature reviews, see [http://www.unc.edu/depts/wcweb/handouts/literature_review.html](http://www.unc.edu/depts/wcweb/handouts/literature_review.html)

April 10: Land Use and Travel Modeling

**Guest lecture: Michael Clay, BYU (confirmed)**

**Assignment: Data and Methods (5 of 15 pages)**

April 17: Project Presentations

April 24: Project Presentations

Attendance: "The University expects regular attendance at all class meetings. Instructors must communicate any particular attendance requirements of the course to students in writing on or before the first class meeting. Students are responsible for acquainting themselves with and satisfying the entire range of academic objectives and requirements as defined by the instructor." PPM, Policy 6-100III-O)

Americans with Disabilities Act (ADA) Statement: The University of Utah seeks to provide equal access to its programs, services and activities for people with disabilities. If you will need accommodations in the class, reasonable prior notice needs to be given to the Center for Disability Services, 162 Olpin Union Building, 581-5020 (V/TDD). CDS will work with you and the instructor to make arrangements for accommodations. All information in this
course can be made available in alternative format with prior notification to the Center for Disability Services.

Addressing Sexual Misconduct: Title IX makes it clear that violence and harassment based on sex and gender (which includes sexual orientation and gender identity/expression) is a Civil Rights offense subject to the same kinds of accountability and the same kinds of support applied to offenses against other protected categories such as race, national origin, color, religion, age, status as a person with a disability, veteran's status or genetic information. If you or someone you know has been harassed or assaulted on the basis of your sex, including sexual orientation or gender identity/expression, you are encouraged to report it to the University's Title IX Coordinator; Director, Office of Equal Opportunity and Affirmative Action, 135 Park Building, 801-581-8365, or to the Office of the Dean of Students, 270 Union Building, 801-581-7066. For support and confidential consultation, contact the Center for Student Wellness, 426 SSB, 801-581-7776. To report to police, contact the Department of Public Safety, 801-585-2677(COPS). Additional information regarding reporting and victim supportive resources are available at the offices listed above.

Academic Misconduct: Academic misconduct includes cheating, plagiarizing, research misconduct, misrepresenting one’s work, and inappropriately collaborating. Definitions of these and other terms can be found in the Student Code at http://www.regulations.utah.edu/academics/6-400.html. The Student Code (at section 6-400(V)) also specifies the required procedures that must be followed when disciplinary actions are taken in response to instances of academic misconduct. For students enrolled in degree programs in the College of Architecture + Planning, a second occurrence of academic misconduct will result in the student’s dismissal from their academic program.