

Fall 2015

TRNS 6061

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University of New Orleans

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Recommended Citation

Renne, John, "TRNS 6061" (2015). *University of New Orleans Syllabi*. Paper 946.
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Introduction to Transportation Planning

TRNS 6061, Sec. 495

Hybrid Format

Online & Required Meetings:
Saturday & Sunday, October 10 & 11, 2015
8 am – 4 pm
(Meeting location to be announced)

Instructor: Dr. John L. Renne, AICP
Email: jrenne@uno.edu
Office: 378 Milneburg Hall
Phone: (504) 280-6592 (office)

Office Hours: **All times by appointment.**
Please book appointments at:
Tuesdays, Wednesdays and Thursdays: 1 – 4 pm
Other times are also available by appointment

COURSE OVERVIEW

Introduction to Transportation Planning provides an overview of the field of urban transportation planning. Transportation planning is more than just creating an efficient system for moving goods and people. Transportation planners deal with a variety of issues facing cities, such as traffic congestion, economic development, air quality, and social equity. For decades, road and highway planning has dominated transportation planning. Today, a new paradigm has emerged. Planners are challenged with creating sustainable transport systems – cities that have a balanced, multimodal approach focused on creating opportunities for walking, bicycling, and public transit. This course discusses how cities can become more sustainable – economically, environmentally, and socially – through creating balanced transportation systems.

GOALS AND OBJECTIVES

The goal for this course is to introduce students to the importance of transportation in shaping cities, as well as our lives. Objectives include providing a historical context of modern transportation planning; learning about the importance of walking, bicycling, and public transit; understanding the link between equity and transportation, land use and transportation and public health and transportation; understanding parking policies; and learning the basics of transit-oriented development. The course will also examine issues facing New Orleans as well as creating sustainable transport systems in cities across the United States and internationally. After completing this course, students should be able to:

- Identify, analyze and compare various modes of urban transportation
- Identify the difference between an automobile dependent versus sustainable transport system
- Describe how a city can encourage walking, bicycling, and public transit
- Understand the link between equity and transportation
- Describe the linkages between transportation and land use, public health, parking, and transit-oriented development

- Understand the transportation decision-making process in the United States
- Compare, contrast, and evaluate different transportation planning proposals to determine the travel behavior, economic, environmental, and social impacts

Upon completing this course, students should obtain the following skills as Student Learning Outcomes:

- Applying discipline knowledge
- Critical thinking by using analytical skills to solve problems
- Information skills to have the confidence to investigate new ideas
- Written and oral communication skills
- Technology skills
- Learning how to learn in group settings
- International perspective
- Professional skills

STUDENT HONESTY POLICY

All students are expected to understand and abide by the Academic Honesty Policies as promulgated by the University of New Orleans (see: <http://www.uno.edu/student-affairs-enrollment-management/documents/academic-dishonesty-policy-rev2014.pdf>).

If a student is uncertain about an issue of academic honesty, they should consult me before submitting an assignment. Once an assignment has been submitted, the student acknowledges their compliance with university policies. Violations of academic honesty include but are not limited to, **cheating, fabrication, falsification, multiple submission, plagiarism, and collusion.**

ASSISTANCE FOR STUDENTS WITH DISABILITIES

It is University policy to provide, on a flexible and individualized basis, reasonable accommodations to students who have disabilities that may affect their ability to participate in course activities or to meet course requirements. Students with disabilities are encouraged to contact me and/or the Office of Disability Services to discuss their individual needs for accommodations.

COURSE TEXTS AND READINGS

There are four required books for this course:

Schiller, Preston, Bruun, Eric and Jeffrey Kenworthy. 2010. *An Introduction to Sustainable Transportation: Policy, Planning and Implementation*. London: Earthscan.

Black, William. 2010. *Sustainable Transportation: Problems and Solutions*. New York: The Guilford Press.

Sanchez, Thomas and Marc Brenman. 2007. *The Right to Transportation: Moving to Equity*. Chicago: Planners Press.

Newman, Peter and Jeffrey Kenworthy. 2015. *The End of Automobile Dependence: How Cities are Moving Beyond Car-Based Planning*. Washington, D.C.: Island Press.

These books should be available at the University Book Store but you may also purchase them elsewhere. In addition to these texts, there are copies of required readings posted on Moodle and links to readings on the Internet via this syllabus (see reading schedule below). Students are responsible for accessing and downloading these materials.

COURSE REQUIREMENTS AND GRADING

Class Participation

All students are required to attend and participate in all class meetings and online forums.

Short Paper

In the short- paper, you must select a major city in the world and describe the history of transportation and the role for various modes within that city. Please be sure to summarize at least 5 different types of major transportation modes within that city using a table.

You must draw from the readings in your paper. If you quote directly from **any** readings, make sure to cite your work properly using MLA style. You must provide a bibliography at the end of your paper for cited work, even for required course readings. Your short paper should be no longer than 5 pages.

Book Review

You must complete a 3 – 5 page book review of:

Newman. Peter and Jeffrey Kenworthy. 2015. *The End of Automobile Dependence: How Cities are Moving Beyond Car-Based Planning*. Washington, D.C.: Island Press.

The review must not just summarize the book, but provide a critical analysis of the book. What do you agree with? What do you disagree with? How can transportation planners benefit from reading this book. Please review book reviews in the *Journal of the American Planning Association* for guidance on style.

Midterm Paper

Students are required submit a midterm paper. Additional details will be provided during the course.

Case Study – Oral Presentation with Powerpoint

Students will be required to conduct a case study and give an oral presentation to the class. Additional details will be provided during the course.

Group Project

Students will be required to work on a group project during the in-person meeting of the course. More details will be given during the course.

Term Paper

Students are required submit a term paper. Additional details will be provided during the course.

Late Work

Any work turned in late will receive an automatic 10% deduction as well as a 2% deduction for each day that the work is late (not including the 1st day). For example, if the assignment is 4 days late, the penalty will be 10% + 2% + 2% + 2% = 16% deduction. In this example, the highest score that a student could receive for the assignment is an 84%.

Grading Overview

Graduate Students:

- Class Attendance and Participation (10%)
- Short paper (10%)
- Book Review (10%)
- Case Study Powerpoint Presentation (10%)
- Midterm paper (20%)
- Group Project (10%)
- Term Paper (15%)
- Final Exam (15%)

Letter grades will be assigned based on the overall percentage:

- A – 90% and above
- B – 80% - 89%
- C – 70% - 79%
- D – 60% - 69%
- F – less than 60%

References and Citations

All work must be cited in the same style and format used by the *Journal of the American Planning Association (JAPA)*. Work cited within the body of the paper must utilize the (Author, year) format for paraphrased material and (Author, year, pg #) for direct quotes. All direct quotes longer than three lines must be in blocked format. JAPA utilizes *The Chicago Manual of Style, 16th Edition* for references. More information can be found at:

<https://www.planning.org/pas/memo/contributor.htm>

SCHEDULE OF TOPICS AND COURSE READINGS

Below is a schedule of topics and readings. All readings are due at the beginning of the class.

Classes Begin August 19, 2015

Week 0: Course Overview, Week of August 19th (Note: this is a short week)

Assignment: Moodle Self-Introduction Week 1 Forum

- Upload a photo of yourself if you have not done so yet to your Moodle profile
- Where are you from?

- Which program of study are you in?
- Why did you decide to study transportation?
- What are your future career goals?

Week 1: History of Transportation and New Paradigms of Sustainability, Week of August 24th

Readings due:

Black:

Chapter 2: The Historical Problem of Sustainability in the Transport Sector

Vuchic, Vukan R. 2007. *Urban Transit: Systems in Technology*. Hoboken, New Jersey: John Wiley & Sons, Inc.

Chapter 1: History and Role of Public Transportation in Urban Development (Moodle)

Schiller, Brunn and Kenworthy:

Chapter 1: A Highly Mobile Planet and Its Challenges: Automobile Dependence, Equity and Inequity

Chapter 2: Automobile Cities, the Car Culture and Alternative Possibilities

Chapter 3: History of Sustainable and Unsustainable Transportation: From Walking to Wheels and Back to Walking

Week 2: Transportation Trends, Infrastructure and Modes, Week of August 31st

John Pucher and John Renne. 2003. "Socioeconomics of Urban Travel: Evidence from the 2001 NHTS," *Transportation Quarterly*, Vol. 57, No. 3, pp. 49 – 77. (Download from Moodle)

Transportation Infrastructure: The Challenges of Rebuilding America (Download from Moodle):

Chapter 1: Transportation Planning: Crisis and Opportunity

Chapter 2: The Federal Role

Chapter 3: Transportation Infrastructure and Urban Growth and Development Patterns

Schiller, Brunn and Kenworthy:

Chapter 4: Modes, Roads and Routes: Technologies, Infrastructure, Functions and Interrelatedness

Appendix 1: Transit Primer: Major Categories of Public Transport Modes and Planning Considerations

Week 3: Transportation Equity, Week of September 7th

Readings due:

Sanchez and Brenman. 2007. *The Right to Transportation: Moving to Equity*

Week 4: Transportation Economics, Week of September 14th

Short-Paper Due Saturday, September 19th at 5 pm in Moodle

Readings due:

Schiller, Brunn and Kenworthy:

Chapter 6: Transportation Economics and Investment: Improving Analysis and Investment Strategies

Black:

Chapter 9: The Full Costs of Transportation

Chapter 10: Pricing and Taxation

Week 5: Congestion and Transportation Demand Management, Week of September 21st

Case Study Powerpoint Presentation Due Saturday, September 26th in Moodle (You will present this during the class meeting).

Readings due:

Black:

Chapter 7: Congestion and Sustainability

Chapter 16: Sustainable Travel Demand Management

Victoria Transport Policy Institute TDM Encyclopedia:

What is the Online TDM Encyclopedia - <http://www.vtpi.org/tdm/tdm12.htm>

Why Manage Transportation Demand - <http://www.vtpi.org/tdm/tdm51.htm>

Success Stories - <http://www.vtpi.org/tdm/tdm71.htm>

Win-Win Transportation Solutions - <http://www.vtpi.org/tdm/tdm52.htm>

Week 6: Transportation Equity, Week of September 28th

Mid-Term Paper Due Saturday, October 3rd by 5 pm in Moodle

Week 7: In-Class Meeting, Week of October 5th

Required In-Person Course Meetings

Saturday & Sunday, October 10 & 11, 2015

8 am – 4 pm

Additional agenda information about these meetings will be sent to students before the meetings.

Week 8: International Transportation Planning, Week of October 12th

Readings due:

Black:

Chapter 15: National Policy Solutions

Vasconcellos. 2001. *Urban Transport, Environment and Equity: The Case for Developing Countries*.

Part 1: Introduction

Part 2: Current Conditions of Urban Transport in Developing Countries (Moodle)

John Pucher, Nisha Korattyswaroopam, Neha Mittal, and Neenu Ittyerah. "Urban Transport Crisis in India," *Transport Policy*. June 2005, Vol. 12, No. 3, pp. 185-198

(<http://www.policy.rutgers.edu/faculty/pucher/FINALarticleTransportPolicy.pdf>)

Week 9: Walking and Bicycling, Week of October 19th

Reading due:

Alliance for Biking and Walking. Bicycling and Walking in the United States: 2010 Benchmarking Report - <http://www.peoplepoweredmovement.org/site/index.php/site/memberservices/C529>
(Note: You must register before you are allowed to download the report)

Pucher and Buehler. "Cycling for a Few or for Everyone: The Importance of Social Justice in Cycling Policy," *World Transport Policy & Practice*, Vol. 15, April 2009. <http://policy.rutgers.edu/faculty/pucher/CyclingEveryoneWTPP.pdf>

Pucher and Buehler. "Making Cycling Irresistible: Lessons from The Netherlands, Denmark and Germany," *Transport Reviews*, Vol. 28. No. 4, pp. 495-528, July 2008. <http://policy.rutgers.edu/faculty/pucher/Irresistible.pdf>

Week 10: Parking, Week of October 26th

Reading due:

Shoup. *The High Cost of Free Parking*, 2005. (Moodle)
Chapter 1: The Twenty-First Century Parking Problem
Chapter 6: The Cost of Required Parking Spaces
Chapter 7: Putting the Cost of Free Parking in Perspective
Chapter 10: Reduce Demand Rather than Increase Supply
Chapter 20: Unbundled Parking
Chapter 21: Time for a Paradigm Shift

Litman. *Parking Management Best Practices*, 2006. (Moodle)
Chapter 1: Introduction
Chapter 5: Parking Management Strategies

Danish Bicycle Parking Manual (Moodle)

Week 11: Decision Making and Public Participation, Week of November 2nd

Book Review due Saturday, November 7th, 5 pm in Moodle

Reading due:

Meyer and Miller. *Urban Transportation Planning, 2nd Edition*. 2001. (Moodle)
Chapter 2: Transportation Planning and Decision Making

Schiller, Brunn and Kenworthy:
Chapter 7: Public Policy and Effective Citizen Participation: Leadership, Deliberation, Back-Casting, Scenarios, Visualization and Visioning
Chapter 8: A New Planning Paradigm: From Integrated Planning, Policy and Mobility Management to Repair, Regeneration and Renewal

Week 12: Transportation, Land Use and Sustainable Development, Week of November 9th

Reading due:

Black:

Chapter 11: Urban Form: Planning for Sustainability

Schiller, Brunn and Kenworthy:

Chapter 9: Exemplars of Sustainable Transportation: Walking the Talk in Vancouver, Portland, Boulder, Freiburg, Seoul and Surabaya

Curtis, Renne, and Bertolini. *Transit Oriented Development: Making It Happen*, 2009. (Moodle)

Chapter 1: Introduction

Chapter 2: Planning for Transit Oriented Development: Strategic Principles

Chapter 3: Public Transport and Sustainable Urbanism: Global Lessons

Week 13: A Sustainable Future, Week of November 16th

Term Paper Due Saturday, November 21st, 5 pm in Moodle

Reading due:

Black:

Chapter 22: Summary, Conclusions, and the Current Status of Sustainable Transport

Schiller, Brunn and Kenworthy:

Chapter 10: Conclusion: Growing More Exemplars

Week 14: Thanksgiving, Week of November 23rd

Week 15: Review Week, Week of November 30th

Final Exam, Week of December 7th

Syllabus Attachment

<http://www.uno.edu/grad/documents/GraduateStudentHandbook2014.pdf>

Important Dates*

Last day to adjust schedule w/out fee 08/18/2015
Semester Classes Begin 08/19/2015
Last day to adjust schedule w/fee,
or withdraw with 100% refund 08/25/2015
Last day to apply for December commencement 09/25/2015
Final day to drop a course or resign 10/14/2015
Mid-semester examinations 10/05-10/09/2015
Final examinations 12/07-12/11/2015
Commencement 12/18/2015

**Note: check Registrar's website for Saturday and A/B sessions, and for items not listed here:
<http://www.registrar.uno.edu>*

Fall Semester Holidays

Labor Day 09/07/2015
Mid-semester break 10/15-10/16/2015
Thanksgiving 11/26-11/27/2015

Withdrawal Policy – Undergraduate only

Students are responsible for initiating action to resign from the University (withdraw from all courses) or from a course on or before dates indicated in the current Important dates calendar. Students who fail to resign by the published final date for such action will be retained on the class rolls even though they may be absent for the remainder of the semester and be graded as if they were in attendance. Failure to attend classes does not constitute a resignation. Check the dates on the Registrar's website, <http://www.registrar.uno.edu>. Please consult The Bulletin for charges associated with dropping and adding courses.

Incomplete Policy – Undergraduate only

The grade of I means *incomplete* and is given for work of passing quality but which, because of circumstances beyond the student's control, is not complete. The issuance of the grade of I is at the discretion of the faculty member teaching the course. For all graduate and undergraduate students, a grade of I becomes a grade of F if it is not converted before the deadline for adding courses for credit (as printed in the Important Dates Calendar) of the next regular semester including summer semester.

Repeat Policy

When a student is permitted to repeat a course for credit, the last grade earned shall be the one which determines course acceptability for degree credit. A student who has earned a C or better in a course may not repeat that course unless, (1) the catalog description indicates that the course may be repeated for credit, or (2) the student's Dean gives prior approval for documented extenuating circumstances.

Graduate Policies

Graduate policies often vary from undergraduate policies. To view the applicable policies for graduate students, see the Graduate Student Handbook:

Academic Dishonesty Policy

<http://www.uno.edu/student-affairs-enrollment-management/documents/academic-dishonesty-policy-rev2014.pdf>

Safety Awareness Facts and Education

Title IX makes it clear that violence and harassment based on sex and gender 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, etc. If you or someone you know has been harassed or assaulted, you can find the appropriate resources here:

<http://www.uno.edu/student-affairs-enrollment-management/>

UNO Counseling Services and UNO Cares
UNO offers care and support for students in any type of distress. Counseling Services assist students in addressing mental health concerns through assessment, short-term counseling, and career testing and counseling. Find out more at

<http://www.uno.edu/counseling-services/>. First-year students often have unique concerns, and UNO Cares is designed to address those students succeed. Contact UNO Cares through <http://www.uno.edu/fye/uno-cares.aspx>.

Emergency Procedures

Sign up for emergency notifications via text and/or email at E2Campus Notification:

<http://www.uno.edu/ehso/emergency-communications/index.aspx>. All emergency and safety procedures are explained at the Emergency Health and Safety Office: <http://www.uno.edu/ehso/>.

Diversity at UNO

As the most diverse public university in the state, UNO maintains a Diversity Affairs division to support the university's efforts towards creating an environment of healthy respect, tolerance, and appreciation for the people from all walks of life, and the expression of intellectual point of view and personal lifestyle. The Office of Diversity Affairs promotes these values through a wide range of programming and activities. <http://diversity.uno.edu/index.cfm>

Learning and Support Services

Help is within reach in the form of learning support services, including tutoring in writing and math and other supplemental instruction. Visit the Learning Resource Center in LA 334, or learn more at <http://www.uno.edu/lrc/>.

Affirmative Action and Equal Opportunity

UNO is an equal opportunity employer. The Human Resource Management department has more information on UNO's compliance with federal and state regulations regarding EEOC in its Policies and Resources website: <http://www.uno.edu/human-resource-management/policies.aspx>