

Course Syllabus

URP6716 - Transportation Policy and Planning

Faculty Contact Information

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464 Architecture

Please sign up at [my wiki](#) (Links to an external site.).

Course Website

<https://ufl.instructure.com/courses/316011/pages/home-page>

Course Communications

All communication with course faculty will take place within Canvas. (Select the "Instructor Role" from the address book.) All e-mails will be sent and received within Canvas. You should NOT be

e-mailing the course instructors outside of the system. Any e-mails received outside of Canvas will not receive a response.

*To prevent an e-mail from being sent outside of the Canvas system DO NOT check the box within the option "Send Cc: Send a copy of this message to recipients' e-mail address(es)."

Your instructor is usually available by email, and you can expect a response to emails within 24 hours on weekdays and within 48 hours on weekends or when the instructor is traveling. The instructor is also available for phone calls or live chat by appointment. Please contact the instructor by email to arrange a call or chat.

Required Text

Meyer, M. D. and Miller, E. J. (2014). Transportation Planning: A Decision-Oriented Approach. Available (for purchase) at:<http://mtsplan.com/services.html> (Links to an external site.)

Course Description

This course deals with urban transportation planning and policy. The course is an overview of transportation planning issues largely in a metropolitan context. Because urban transportation is a broad field, the course will be a survey of a number of topics of importance in urban transportation planning.

In the first part of the course, we will establish a common understanding of policy-making processes, identify critical issues in transportation policy, and review the history of U.S. transportation policy at the federal, state, and local level. We then discuss how transportation planners understand and plan for movement within cities, including the four-step transportation modeling process, a general discussion of various aspects of the planning process, and the use of geographic information systems (GIS) in transportation planning. Finally, we discuss a variety of policy issues related to the transportation system: public transportation, land use impacts of transportation investments, transportation and energy, the geography of urban transportation

finance, social and environmental justice issues, and transportation and the environment. Case study examples and examples from the United States and other countries will be used throughout the course.

At the completion of this course, students should have a basic understanding of urban transportation planning and policy in its multiple dimensions. Students should also have developed in-depth knowledge of an area of transportation planning that is the subject of their research paper.

This course is a required course for Urban Planning students who are in the online program.

Course Objectives

At the conclusion of this course, you should be able to:

- Develop a basic understanding of urban transportation planning and policy in its multiple dimensions.
- Justify a common understanding of policy-making processes.
- Identify critical issues in transportation policy.
- Review the history of U.S. transportation policy at the federal, state, and local level.
- Discuss how transportation planners understand and plan for movement within cities, including the four-step transportation modeling process, a general discussion of various aspects of the planning process, and the use of geographic information systems (GIS) in transportation planning.
- Discuss a variety of policy issues related to the transportation system: public transportation, land use impacts of transportation investments, transportation and energy, the geography of urban transportation finance, social and environmental justice issues, and transportation and the environment.

Course Outline

Module	Topics Covered
Module 1: The Context of Urban Transportation	<p>Basic Concepts in Transportation Planning: Transportation as a Derived Demand, Accessibility and Mobility</p> <p>Trends in Passenger Travel Patterns</p> <p>Trends in Goods Movement</p> <p>History of Federal Role in Transportation Planning</p>
Module 2: Transportation and Urban Form/Transportation and Telecommunications	<p>How Cities Develop and the Implications for Transportation</p> <p>Historical Development of Cities</p> <p>The Sprawl Debate</p> <p>The Built Environment and Physical Activity</p> <p>Economics of Land Development</p> <p>Constraints on Personal Travel</p> <p>Time-Space Convergence</p> <p>Communications, Linkages, and Information Needs</p> <p>Implications of Changes in Communications for Travel</p>
Module 3: The Urban Transportation Planning Process/Characteristics of Travel and Techniques for Estimating Travel Demand	<p>The Traditional Four-Step Modeling Process</p> <p>Innovations in Transportation Modeling: Activity-Based Models and Other Innovations</p>
Module 4: Transportation Investment, Subsidy, and Finance	<p>Transportation System Costs</p> <p>Subsidies to Motor Vehicles</p> <p>Efficiency and Equity in Transportation Planning</p>

<p>Module 5: Achieving Multimodal and Intermodal Balance: Planning for All Modes of Travel</p>	<p>Transportation Demand Management (TDM)</p> <p>Transportation System Management (TSM)</p> <p>Smart Growth and Transportation</p> <p>Case Study: Bay Area Rapid Transit (BART) and Land Use</p> <p>Transit-Oriented Development</p> <p>Pedestrian-Oriented Development</p> <p>Complete Streets and Context-Sensitive Design</p> <p>Bicycle and Pedestrian Planning</p>
<p>Module 6: Achieving Multimodal and Intermodal Balance: Planning for All Populations</p>	<p>Transportation Access for All Populations</p> <p>Transportation—Disadvantaged Populations (Non-drivers)</p> <p>Social Equity Issues in Transportation</p>
<p>Module 7: Environmental Impacts of the Transportation System</p>	<p>Ecological Impacts</p> <p>National Environmental Policy Act (NEPA) and Environmental Streamlining</p> <p>Ecological Impacts of the Transportation System</p> <p>Energy, Climate Change, and Fuel Choice</p>

Course Technology

In the event that you have technical difficulties with e-Learning, please contact the UF Help Desk. If your technical difficulties will cause you to miss a due date, you MUST report the problem to Help Desk. Include the ticket number and an explanation of the issue based on

consult with Help Desk in an e-mail to the instructor to explain the late assignment/quiz/test. The course faculty reserves the right to accept or decline tickets from the UF Help Desk based on individual circumstances.

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Student Support Services

As a student in a distance learning course or program, you have access to the same student support services that on campus students have. For course content questions contact your instructor.

For any technical issues you encounter with your course please contact the UF computing Help Desk at 342-392-HELP (4357), select option 2. For Help Desk hours visit: [Information Technology–UF Computing Help Desk](#) (Links to an external site.).

Other resources are available at [Student Services|Distance Learning](#) (Links to an external site.).

Universities Policies

University policies on such matters as add/drop, incomplete, academic probation, termination of enrollment, reinstatement, and other expectations or procedures can be found in the [graduate student handbook](#) (Links to an external site.) and at the [Dean of Students website](#) (Links to an external site.).

University Policy on Academic Misconduct

Academic honesty and integrity are fundamental values of the University community. Students should be sure that they understand the [UF Student Honor Code](#) (Links to an external site.).

Netiquette: Communication Courtesy

All members of the class are expected to follow rules of common courtesy in all e-mail messages, threaded discussions and chats. Course communication should be civilized and respectful to everyone. The means of communication provided to you through e-Learning (e-mail, discussion posts, course questions, and chats) are at your full disposal to use in a respectful manner.

Abuse of this system and its tools through disruptive conduct, harassment, or overall disruption of course activity will not be tolerated. Conduct that is deemed to be in violation with University rules and regulations or the Code of Student Conduct will result in a report to the Dean of Students.

Refer to the [Netiquette Guide for Online Courses](#) (Links to an external site.) for more information.

Student Honor Code

In adopting this Honor Code, the students of the University of Florida recognize that academic honesty and integrity are fundamental values of the University community. Students who enroll at the University commit to holding themselves and their peers to the high standard of honor required by the Honor Code. Any individual who becomes aware of a violation of the Honor Code is bound by honor to take corrective action.

Student and faculty support are crucial to the success of the Honor Code. The quality of a University of Florida education is dependent upon the community acceptance and enforcement of the [Honor Code](#) (Links to an external site.).

The Honor Pledge

We, the members of the University of Florida community, pledge to hold ourselves and our peers to the highest standards of honesty and integrity by abiding by the Honor Code.

On all work submitted for credit by students at the University of Florida, the following pledge is either required or implied: "On my honor, I have neither given nor received unauthorized aid in doing this assignment."

Special Accommodations

Students requesting disability-related academic accommodations must first register with the [Disability Resource Center](#) (Links to an external site.).

The Disability Resource Center will provide documentation to the student who must then provide this documentation to the instructor when requesting accommodation.

Complaints

Should you have any complaints with your experience in this course please visit [Student Complaints](#) (Links to an external site.) to submit a complaint.

Course Grade

Assignment	Points Possible
Policy Debates	200
Metropolitan Area Profile 1	50
Metropolitan Area Profile 2	50
Metropolitan Area Profile Final	100
Paper Topic Paragraph	10
Outline of the Paper	40
Research Paper Presentation	100
Research Paper (and Abstract)	500
Transportation Related Meeting Participation	50
Participation	100
Total:	1200

Grading Scheme

Letter Grade	Percentage	Grade Points
E	Below 55%	0.00
A	93-100%	4.00
A-	90-92%	3.67
B+	88-89%	3.33
B	83-87%	3.00
B-	80-82%	2.67
C+	78-79%	2.33
C	73-77%	2.00
C-	70-72%	1.67
D+	68-69%	1.33
D	58-67%	1.00

D-	55-57%	0.67
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For greater detail, see the Grades section of the [Graduate Catalog for the University of Florida](#) (Links to an external site.). It also contains the policies and procedures, course descriptions, colleges, departments, and program information for UF.

You can also review [ISIS](#) (Links to an external site.) regarding frequently asked questions about minus grades.