COURSE SYLLABUS

URP 538 Transportation and Land Use Planning, 3 units Fall Semester, 2024 Mondays 5:30pm to 8:20pm Carver Complex 222 Office Hours: Tuesdays/Thursdays 1:30pm to 2:30pm (or by appointment)

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Course Description

This course examines the relationship between transportation and land use. It is not a course on transportation planning or land use planning, specifically, but a course that investigates the intrinsic relationship between the built environment and travel behavior. Among the questions that will be surveyed include:

- In what ways does the built environment influence vehicle, transit, or bicycling as a travel mode choice?
- In what ways do transportation investments influence urban form?
- Does the construction of a rail line lead to changes in development patterns?
- How do individuals and firms respond to different policy interventions?

Some case studies will be surveyed for comparative analysis.

Learning Objectives and Outcomes

- 1. Describe the general relationship between transportation and land use.
- 2. Understand the concept of externalities in the transportation and land use sectors.
- 3. Describe the conflict between local and regional interests and issues relating to transportation and land use.
- 4. Evaluate the built environment and travel behavior impacts of different transportation and land use policy intervention strategies, respectively.
- 5. Explain and criticize different approaches to travel modeling and project impact analyses.

Assignment	Description	% of Grade	
In-Class	Your contribution to class discussion, group work, and in-class assignments will be	25%	
Participation	accounted for in your grade. Generally, only students who show a clear lack of		
-	engagement will experience a reduced grade in this category.		
Readings	Starting Week 4, reading quizzes will be given at the start of class that cover the		
Quizzes (10	readings of that day. One-third of the value of each reading quiz will be for taking		
total)	the quiz. Reading quizzes will be in short-answer format. Each quiz is weighted		
	equally. Your lowest three scored quizzes will be dropped from your grading.		
Midterm	A closed book/note in-class midterm will cover reading and lecture material up to	25%	
	the date of the midterm. Format will mostly entail short-to-long answer questions.		
Term Paper	A term paper is due by the end of the day (i.e., 11:59pm) on Monday, December 9.	25%	
	The paper shall be in the form of a literature review on topic of your choice that		
	expands on topics covered in class, through consultation with me. Readings beyond		
	the scope of class is required. A draft proposal is due by 11:59pm on November 4.		
	Late proposals will cost 2.5 percentage points per day late up to 20%.		
	All papers shall be twelve to sixteen double-spaced pages, use 12-point Times New		
	Roman font, with one-inch margins.		

Assignments and Grading

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Course Schedule

Week	Date	Module	Торіс	Readings*
1	August 19	Introduction	Introductions; Course Overview; Defining the Transportation-Land Use Connection	Cervero and Landis (1995); Giuliano (1995)
2	August 26		Urban Economics; Location Choice	Ch. 5-6 in Mills and Hamilton (1989); Tiebout (1956)
3	September 2 Theoretical		LABOR D	-
4	September 9	Foundations	Transportation Economics; Travel Behavior; Equity; Efficiency; Externalities	Ch. 3 in Ben-Akiva et al. (1985); Hägerstraand (1970); Taylor and Norton (2009); Zahavi and Talvitie (1980)
5	September 16	Transportation- Land Use Evolution	Eras of Transportation-Land Use Relationship; Spatial Mismatch; City- Region Relations; Dillon's Rule v. Home Rule	Ch. 3 in Jones (1985); Mieszkowski and Mills (1993); Richardson et al. (2003); Taylor and Ong (1995)
6	September 23	Empirical	Transportation Impacts on Built Environment; Built Environment Impacts on Transportation	Baum-Snow (2007); Boarnet (1998); Gupta et al. (2022); Ewing and Cervero (2010)
7	September 30	Foundation Studies	Density vs. Sprawl — Costs, Benefits, Demographics, Preferences	Blumenberg and King (2019); Glaeser et al. (2008); Goodman (2019); Schwanen and Mokhtarian (2004)
8	October 7	Empirical Foundation Studies (cont.); Practice	Information and Communication Technologies; Travel Time Budget; Travel Modeling; Traffic Impact Analysis v. Level-of-Service	Giuliano (1998); Johnston (2004); Lee and Handy (2018); Redmond and Mokhtarian (2001)
9	October 14	Midterm	Midterm Exam; Term Paper Discussions	
10	October 21	Practice (cont.); Policy Interventions	In-Class Projects; Case Study in Practice; Metropolitan Governance and Planning	An and Bostic (2021); Innes et al. (2010); Mallett (2014)
11	October 28		Urban Growth Boundaries; Transit Oriented Development	Chatman (2009); Deboosere et al. (2018); Jun (2004); Rodriguez et al. (2006)
12	November 4	Policy Interventions (cont.)	Jobs-Housing Balance; Affordable Housing; Upzoning	Blumenberg and King (2021); Manville et al. (2022); Rodríguez-Pose and Storper (2020); Ryan and Enderle (2012)
13	November 11		Travel Demand Management; Road Pricing; Transport Subsidies	Giuliano (1992); Giuliano (2005); Klein (2020); Tillema et al. (2010)
14	November 18	Applied Topics	Comparative International Topics; Post-Pandemic Transportation-Land Use Interaction	Cervero (2013); Chauvin et al. (2017); Florida et al. (2021); Ramani and Bloom (2021)
15	November 25		THANKSGIVING BREAK	
16	December 2	Closing Lecture	Course Conclusion; Closing Dialogue	

* Readings are complimentary to lectures. Contents of readings do not define all content that will be covered on the given topic.

Grading Scale

Grade	Percent Range
А	[90%, 100%)
В	[80%, 90%)
С	[70%, 80%)
D	[60%, 70%)
F	[0%, 60%)

Academic Honesty

Membership in the AAMU learning community imposes upon the student a variety of commitments, obligations, and responsibilities. It is the policy of AAMU to impose sanctions on students who misrepresent their academic work. These sanctions will be selected by appropriate classroom instructors or other designated persons consistent with the seriousness of the violation and related considerations.

Examples of academic dishonesty include but are not limited to:

1. Plagiarism, taking someone else's intellectual work and presenting it as one's own (which covers published and unpublished sources).

Using another's term paper as one's own; handing in a paper purchased from an individual or agency; submitting papers from living group, club or organization files; or using another's computer program or document are all examples of plagiarism. Standards of attribution and acknowledgment of literary indebtedness are set by each discipline. Faculty are encouraged to include disciplinary or class-specific definitions in course syllabi. Students should consult with their department or with recognized handbooks in their field if in doubt.

2. Cheating is unacceptable in any form.

Examples include consultation of books, library materials or notes during tests without the instructor's permission; use of crib sheets or hidden notes; intentional observation of another student's test; receipt of a copy of an exam or questions or answers from an exam to be given or in progress; substitution of another person for the student on an exam or another graded activity; deliberate falsification of lab results; submission of falsified data; alteration of exams or other academic exercises; and collaboration on projects where collaboration is forbidden.

- 3. Falsification, forgery or alteration of any documents pertaining to assignments and examinations.
- 4. Students who (cooperate or in other ways promote) participate in promoting cheating or plagiarism by others (or who take credit for the work of others) will also be in violation of this policy.

Students participating in any violation of this policy must accept the consequences of their actions. Classroom instructors and/or university review/appeals committees and administrators will assess the sanctions for violation of this policy. The seriousness of the violation will dictate the severity of the sanction imposed.

Academic sanctions may include but not be limited to any of the following:

- verbal or written warning
- lowering of grade for assignment/activity
- lowering of term grade
- failure of class assignment

Administrative sanctions may include but not be limited to either of the following:

- suspension from the University
- dismissal from the University

Accommodations for students with disabilities

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Zakhary Mallett, Alabama A&M University

Alabama A&M University is committed to providing equal access to all educational programs and ensuring compliance with applicable laws, including Section 504 of the Rehabilitation Act of 1973, and the applicable titles of the Americans with Disabilities Act (ADA) of 1990 for qualified students with disabilities.

If you require or may benefit from disability accommodation, please contact Disability Services within the first week of classes by visiting their office at the Health and Counseling Center or emailing them at <u>disabilityservices@aamu.edu</u>.

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