



URPL 6555: Transportation, Land Use, and the Environment (DRAFT)
Department of Urban and Regional Planning
College of Architecture and Planning
University of Colorado Denver

Instructors

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Course Logistics

Name: (URPL 6555) Transportation, Land Use, and the Environment
Website: TBD
Term: Spring 2021
Class Meeting Days: Wednesday
Class Meeting Hours: 2:00PM - 4:45PM
Class Location: Zoom

COURSE OVERVIEW

1. Welcome!

To get groceries, do you drive a vehicle or do you ride transit? Maybe you rely on transit during inclement weather but otherwise you bicycle/walk to most destinations. What are your travel choices when you have to go to an important meeting? This course is designed to shine a light on travel choices individuals like us make for everyday travel. The course also explores how transportation planning occurs, as well as how individual and societal decisions affect the environment.

2. University Course Catalog Description

This course teaches how current transportation modes shape regions and how future transportation technologies might impact us. Topics include policy making and governance; land use interactions with transportation investments; climate change and resilience; energy use; environmental justice; and equity considerations. Restriction: Graduate level students. Cross-listed with GEOG 4630. Max hours: 3 Credits.

3. Course Overview

This is a survey of the transportation planning field and will give you the foundation to understand what the various modes of transportation do for society—both in terms of benefits and costs. We will visit various aspects (see table on page 3) that inform transportation policy and planning. From a professional standpoint, this course sets the basis on which many practical planning decisions are made.

4. Course Goals and Learning Objectives

Goals: The course is a survey of the wide field of transportation planning. Students will be trained in thinking about transportation in relation to land use and environmental considerations. The course provides an opportunity for students to investigate real-world transportation planning/policy issues that are of interest to them.

Learning Objectives: At the end of this course students will be able to:

- Understand the purpose and structure of transportation data
- Write a technical transportation policy memo
- Lead a meeting through development of agenda and discussion points
- Examine a complex, open-ended issue within a fixed deadline (through a term paper)
- Justify evidence-based positions on transportation issues as would practicing planners

5. Course Prerequisites

There are no prerequisites for this course.

6. Course credits

3 Units

7. Required Texts and Materials

Required text book: Genevieve Giuliano and Susan Hanson (Editors). *The Geography of Urban Transportation*. The Guilford Press, 4th Edition, 2017 available to you at <https://ebookcentral.proquest.com/lib/cudenver/detail.action?docID=4832774>

8. Supplementary (Optional) Texts and Materials

The instructor may have additional (optional) readings assigned each week.

9. Course Schedule

Week	Date	Topic
1	20-Jan	Introducing urban transportation
2	27-Jan	Impacts of information and communication technology (+ looking to the future)
3	3-Feb	Transportation and urban form
4	10-Feb	Land use impacts of transportation investments (+ transit-oriented development and value capture)
5	17-Feb	Theories and models in transportation planning (Part A)
6	24-Feb	Theories and models in transportation planning (Part B)
7	3-Mar	Land use, travel behavior, and disaggregate travel data
8	10-Mar	Social equity and urban transportation (+ transportation for those with limited voice)
9	17-Mar	Safety and security in transportation (+ active transportation)
10	24-Mar	Spring Break (No Class)
11	31-Mar	Managing Congestion and Parking policy
12	7-Apr	Regional transportation planning
13	14-Apr	The geography of urban transportation finance
14	21-Apr	Transportation and environmental impacts (+ air quality and climate change mitigation)
15	28-Apr	Transportation and energy
16	5-May	Working session for term paper
17	12-May	Final paper due by 4:45PM