

SAN JOSÉ STATE UNIVERSITY
URBAN AND REGIONAL PLANNING DEPARTMENT
URBP 226: REGIONAL TRANSPORTATION PLANNING
FALL 2022

Instructors: Dr. Richard Lee and Dr. Charles Rivasplata
Zoom Link: <https://sjsu.zoom.us/j/83261953393>
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Office hours: Wednesdays, 6:30-7:30 p.m.
Class days/time: Wednesdays, 7:30-10:00 p.m.
Classroom: Online, with possible on-site meeting(s), as announced.
Prerequisites: URBP 226: Instructor consent
Units: 4

Course Catalog Description

URBP 226 (Graduate Section): Overview of the evolution of key transport institutions and policies at the metropolitan, state, and federal levels. Assessment of the current challenges facing regional transport systems and evaluation of different planning and policy approaches proposed to improve the performance of regional transport systems.

Links to the course Canvas website: <https://sjsu.instructure.com/courses/1489656>

Course Description and Course Learning Objectives:

This course examines planning and policymaking for transport systems, with particular attention to regional transport. We consider theory and practice, as well as the wide gap between them. The historical evolution and development of key transport institutions, policies, and methods are analyzed, using examples from California, the United States and abroad. The many roles of transport planning – technical, mediating, advocacy, and political – are examined. Passenger and urban transport planning and policy are emphasized, but there will be some attention given to intercity and freight modes. Many

modeler or traffic engineer. For students interested in working in such specialist positions, additional course work would be required.

Though intercity and goods movement are addressed, the bulk of the course focuses on regional transport policy and planning. The region is in many ways the proper scale for transport planning since daily travel occurs with little regard for city borders.

Moreover, the principal economic rationale for metropolitan areas is that they save transport costs – in metropolitan regions, complementary economic actors and resources are within proximity to one another. Not surprisingly, these regions are the predominant location of congestion on transport networks, as too many people, goods and vehicles try to be in one place at one time for economic purposes. The most contentious transport investments are those that serve large urban regions.

Upon successful completion of the course, each student will be able to:

1. Discuss the principal critical mobility issues confronting the Bay Area and other metropolitan regions
2. List and describe relationships between the primary elements of transport systems, such as modes, networks, controls, and users
3. Describe the nature of travel demand and its relationship with travel supply and the operation of transport systems
4. Characterize the broad outline of the history of transport planning and institutions, as well as the evolution of transit, street, and highway systems
5. Describe the scope of transport and its environmental impact, analysis, and mitigations.
6. Describe alternative approaches to financing transport projects and services
7. Describe the role of national, regional, and local planning in establishing transport policies and priorities
8. Work as a transport planner or a transport policy analyst.

The **Engagement Activity (EA)** component of this course was introduced in 2012. This activity, worth 25 percent of the grade, provides students with first-hand (and hands-on) experience in the field of transport planning. The goals for this engagement activity include:

- Providing the student with direct contact with the transport planning profession and people involved in and affected by transport planning
- Familiarizing the student with the transport planning process

Over 7 days: no credit given

Take-Home Midterm: If received within 24 hours of the 9:00 P.M. deadline, it will be marked down one full grade. Thereafter, it will be marked down according to the following schedule:

1-4 days late: two full grades

Over 4 days: no credit given

Assignment 1, Engagement Activity and Final Paper: If received within 24 hours of the scheduled deadline, it will be marked down 1/3 of a grade (e.g., from A- to B+, from B to B-, etc.). Thereafter, it will be marked down according to the following schedule:

1-4 days late: 2/3 of a grade

4-7 days late: 1 full grade

7-10 days late: 2 full grades

Extra credit is not available.

Course Workload

- **Engagement Activity (EA)** will require about 3 hours of work per each week of the semester (for a total of 45 hours). Depending on the nature of the activity chosen, these hours may be either spread evenly throughout the semester, or clustered. On September 21, a one- to two-page outline of the EA is due on Canvas. On November 16 at 7:30 p.m., each student enrolled in the course will be rehe (s)-5 (ur)3 (s)-5 (e)-3 (w)-3d-4 (l)--4 (l)u (of)m5.88 b4MCID (o)4 (r)7 (T)

16. Plan Bay Area 2050 (the Bay Area Regional Transport Plan)
17. Other Subject Areas by Agreement.

Classroom Protocol

Students are expected to arrive on time to class, be courteous to other students and the instructors and refrain from using a cell phone, texting, and the internet in class, except as permitted by the instructors. If you need to be absent, please notify both instructors at your earliest convenience. We recognize that illness, personal emergencies, and other legitimate conflicts may occur, however please remember that each class meeting represents a substantial fraction of the total course. Be sure to check with the instructors regarding any materials or information given out at the session you were absent from, and if possible, obtain class notes from a classmate.

University Policies

Per University Policy S16-9, university-wide policy information relevant to all courses, such as academic integrity, accommodations, etc. will be available on Office of Graduate and Undergraduate Programs' [Syllabus Information](http://www.sjsu.edu/gup/syllabusinfo/) web page at <http://www.sjsu.edu/gup/syllabusinfo/>.

Academic Integrity Statement, Plagiarism, and Citing Sources Properly

SJSU's Policy on Academic Integrity states: "Your commitment, as a student, to learning is evidenced by your enrollment at San Jose State University." The University Academic Integrity [Policy S07-2](http://www.sjsu.edu/senate/docs/S07-2.pdf) at <http://www.sjsu.edu/senate/docs/S07-2.pdf> requires you to be honest in all your academic course work. Faculty members are required to report all infractions to the office of Student Conduct and Ethical Development. The [Student Conduct and Ethical Development](http://www.sjsu.edu/studentconduct/) website is available at <http://www.sjsu.edu/studentconduct/>.

Plagiarism is the use of someone else's language, images, data, or ideas without proper attribution. It is a very serious offense both in the university and in your professional work. In essence, plagiarism is both theft and lying: you have stolen someone else's ideas, and then lied by implying that they are your own.

Plagiarism will lead to grade penalties and a record filed with the Office of Student Conduct and Ethical Development. In severe cases, students may also fail the course or even be expelled from the university.

If you are unsure what constitutes plagiarism, it is your responsibility to make sure you clarify the issues before you hand in draft or final work.

Learning when to cite a source (and when not to) is an art, not a science. However, here are some common examples of plagiarism that you should be careful to avoid:

- Using a sentence (or even a part of a sentence) that someone else wrote without identifying the language as a quote by putting the text in quote marks and referencing the source.
- Paraphrasing somebody else's theory or idea without referencing the source.
- Using a picture or table from a webpage or book without referencing the source.

are the intellectual property of the instructor and you have not been given the right to reproduce or distribute the material.

Library Liaison

The SJSU Library Liaison for the Urban and Regional Planning Department is Ms. Peggy Cabrera. If you have questions, you can contact her at: peggy.cabrera@sjsu.edu or 408-808-2034.

SJSU Writing Center

The SJSU Writing Center is in Room 126 in Clark Hall. It is staffed by professional instructors and upper-division or graduate-level writing specialists from each of the seven SJSU colleges. Our writing specialists have met a rigorous GPA requirement, and they are well trained to assist all students at all levels within all disciplines to become better writers. To make an appointment or refer to the numerous online resources offered through the Writing Center, visit the [Writing Center website](#) at

Week/Date

Week/Date	Topic	Reading	Memo/Paper Due
8 Oct. 12, 2022	Transport Finance	<p>1) TEXT, Ch. 10, Taylor, B. "The Geography of Urban Transportation Finance"</p> <p>2) Wachs, M. 2003. "Local Option Transportation Taxes," <i>Access</i>, 22. "Local Option Transportation Taxes" at https://escholarship.org/content/qt2d38m621/qt2d38m621_noSplash_86c0d537d162680fd5fd201717db4372.pdf</p> <p>3) Lederman, J. et al. 2017. "Arguing Over Transportation Sales Taxes," <i>Urban Affairs Review</i>, 56: 22, 640-670. (On Canvas)</p>	Weekly Memo (due Oct. 11)
9 Oct. 19, 2022	Transport Planning: U.S. Experience	<p>1) MTC. 2021. <i>Plan Bay Area</i>. Plan Bay Area 2050 Metropolitan Transportation Commission (ca.gov) at https://mtc.ca.gov/planning/long-range-planning/plan-bay-area-2050</p> <p>2) Natural Resources Defense Council (NRDC). 2012. <i>A Bold Plan for Sustainable California Communities: A Report on Implementation of SB 375</i>. At: nrdc.org/globalwarming/sb375/implementation-report/files/implementation-report.pdf</p> <p>3) TEXT, Ch. 6, Sciara, G. & Handy. "Regional Transportation Planning"</p> <p>4) NR4N1 43(0)-2.5 (c 0 Tw 3.837BDC -0.001 -2.5 3.8 (t)-4.5 (u)-2.1 (r)-7(5</p>	

Week/Date	Topic	Reading	Memo/Paper Due
10 Oct. 26, 2022	Transport Planning: International Experience	1) Lee, R. & C. Rivasplata. 2001. "Metropolitan Transportation Planning in the 1990s: Comparisons and Contrasts in New Zealand, Chile, and California." (on Canvas) 2) United Kingdom. Department for Transport. 2011. Creating Growth. Cutting Carbon. , Ch. 6, 51-67. At: https://www.gov.uk/government/uploads/system/uploads/attachment_data/file/3890/making-sustainable-local-transport-happen-whitepaper.pdf 3) Cervero, R., E. Guerra & S. Al. 2017. "The Global South." <i>Beyond Mobility</i> , Ch. 9, 167-195. (on Canvas)	Weekly Memo on Diversity, Equity and Inclusion— instructors will make readings available (due Oct. 25)
11 Nov. 2, 2022	Midterm Exam	None	E-mailed Nov. 2, due back Nov. 3)
12 Nov. 9, 2022	Intercity Transport, High-Speed Rail, and Freight Transport	1) TEXT, Ch. 2, Dablanc D. & J-P. Rodrigue, "The Geography of Urban Freight." 2) Cambridge Systematics. 2013. <i>The San Joaquin Valley Interregional Goods Movement Plan</i> . (On Canvas). 3) Panero et al. 2011. " Urban Distribution Centers... " at http://wagner.nyu.edu/files/rudinc/enter/NYSERDA%20UDCs%20Final%20Report%202011-%201.pdf 4) Metropolitan Transportation Commission. 2016. San Francisco Bay Area Goods Movement Plan at: http://mtc.ca.gov/sites/default/files/RGM_Exec_Summary.pdf 5) California	

Week/Date	Topic	Reading	Memo/Paper Due
14 Nov. 30, 2022	Term Paper Project. Future Transport & Careers in Transport	1) TEXT: Ch. 14, Guiliano, G., & S. Hanson, "Looking to the Future."	Final Term Paper

Rev. August 17, 2022