

Sustainable Transportation Planning Section 01

URBP 256

Spring 2023 4 Unit(s) 01/25/2023 to 05/15/2023 Modified 02/02/2023

Contact Information

Instructor: Professor Asha Weinstein Agrawal

Email: asha.weinstein.agrawal@sjsu.edu (preferred)

Phone: 408-924-5691 (do not leave messages)

Office Hours

I welcome students to come talk to me often during office hours, whether about a specific question or merely to chat about ideas relating to the course or your general studies at SJSU.

I hold online office hours by appointment, with the times varying week by week. Please view the schedule and sign up [here](https://docs.google.com/spreadsheets/d/1hBC-afxBSBuo33Wny47DY6wDOlJWtJUHERVtJS7Mlak/edit#gid=0) (<https://docs.google.com/spreadsheets/d/1hBC-afxBSBuo33Wny47DY6wDOlJWtJUHERVtJS7Mlak/edit#gid=0>).

All meetings will be by Zoom, using this link: <https://sjsu.zoom.us/j/2903011773> (<https://sjsu.zoom.us/j/2903011773>)

If my open office hour slots are not convenient, please email me a list of days/times you are free and I'll check my availability.

Instructor: Ramses Madou

Email: ramses.madou@sjsu.edu

Phone: (650)924-1237

Please reach out if want to talk about anything! Office hours available by request. Happy to meet at City Hall or on campus.

Course Description and Requisites

Examination of transportation planning issues addressed at the neighborhood and municipal level such as bicycle and pedestrian planning, traffic calming, and parking policy, with a focus on promoting sustainable communities.

Letter Graded

* Classroom Protocols

Plagiarism and Citing Sources Properly

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.

Common types of plagiarism that you should be careful to avoid include:

- Using a sentence (or even a part of a sentence) that someone else wrote *unless* you identify the language as a quote by (1) putting the text in quote marks and (2) referencing the source.
- Paraphrasing somebody else's theory or idea without referencing the source.
- Using a map, picture, or table without referencing the source.
- Using data without referencing the source.

The University of Indiana has developed a helpful website with concrete examples about proper paraphrasing and quotation:

<https://plagiarism.iu.edu/index.html>.

You are encouraged to use TurnItIn.com as a tool to help confirm that there is no plagiarized text in your assignments, so that you can fix any potential problem text *before* formally submitting the assignment. When you submit writing assignments to Canvas, TurnItIn.com will generate a "Similarity Report" that highlights all text that TurnItIn.com identifies as *possibly* plagiarized. The report will also give you a "score" that shows how much text has been flagged. Please note that the TurnItIn.com similarity reports are helpful but not perfect – they tend to highlight lots of material that is not actually plagiarized, and the reports can also potentially miss problematic text. Therefore, the instructors strongly recommend that you completely ignore the numeric score and instead carefully review all text that is highlighted in the Similarity Report to check if any of these sections need revision.

You may submit drafts of your papers to the "TurnItIn Test Assignment" in Canvas. Neither instructor will be checking what you turn in here, and you may submit as many copies of your papers as you wish.

For instructions on how to find your TurnItIn.com reports in Canvas, see <https://help.turnitin.com/feedback-studio/turnitin-website/student/the-similarity-report/accessing-the-similarity-report.htm>.

If you still have questions about citing sources and paraphrasing appropriately after using these online resources, make an appointment to discuss your questions. There is nothing wrong with asking for help, whereas even unintentional plagiarism is a serious offense.

Citation Style

For a guide to formatting citations, the Department of Urban and Regional Planning uses Turabian's *A Manual for Writers of Research Papers, Theses, and Dissertations*, 9th edition (University of Chicago Press, 2019). Copies are available in the SJSU King Library. Additionally, the book is relatively inexpensive, and you may wish to purchase a copy. Please note that the book describes two systems for referencing materials: (1) "notes" (footnotes or endnotes), plus a corresponding bibliography, and (2) in-text parenthetical references, plus a corresponding bibliography. For this class, use the notes/bibliography style.

Program Information

MUP Program Learning Outcomes

Students will:

- 1) Conceptualize planning problems from complex, real-world situations so that the problems are meaningful to clients, and are research-worthy; Frame research questions and hypotheses; and design appropriate methodologies to answer research questions;
- 2) Communicate effectively: in writing, by expressing concepts in visual terms, and through public speaking;
- 3) Work effectively as team members and leaders of planning teams, and to apply an understanding of interpersonal and group dynamics to assure effective group action;
- 4) Analyze and synthesize planning knowledge and apply it to address actual planning problems; and,
- 5) Develop planning strategies to advance community priorities through collaborative engagement with stakeholders, and do so in a manner that deliberately incorporates multicultural and historical perspectives

Course Goals

In this course students develop an understanding of the content areas, technical knowledge, stakeholder engagement practices, and political and procedural considerations that transportation planners work through to produce plans. We will work alongside a City of San Jose transportation planning team on an ongoing complete streets planning effort on the downtown portion of East Santa Clara Street. This project will give this class real world applicability and relevance.

Course Learning Outcomes (CLOs)

By the end of the course, students will be able to:

1. Evaluate the strengths and weaknesses of local transportation planning tools and policies. In particular, students will learn introductory-level strategies to apply five key evaluation metrics for transportation plans and policies:
 - a. How does it impact accessibility for all modes (e.g., private vehicles, transit vehicles, pedestrians, and bicyclists)?
 - b. How does it impact accessibility for all population groups?
 - c. Do they improve local quality of life (beyond providing accessibility benefits)?
 - d. Do they reduce impacts of the transportation system on the natural environment?
 - e. What are the equity impacts in terms of how both costs and benefits are distribute the costs and/or benefits of the transportation system?
2. Identify what data and information needed to inform a transportation planning project (travel behavior by all modes, safety history, public life, community preferences, etc.)
3. Evaluate the effectiveness of transportation planning, engineering, and policy actions by finding reliable research and data and using the information to assess the likely outcomes of those actions.
4. Develop transportation plans that are appropriate to the local context as defined by existing uses of the right-of-way, guiding plans and policies, community needs and preferences, the characteristics of the built environment

Course Materials

Most required readings for the course will be available electronically.

Please start by downloading the Global Streets Design Guide at: <https://globaldesigningcities.org/publication/global-street-design-guide/>

Students will also need to obtain a copy of this book as a guide for citation style: *A Manual for Writers of Research Papers, Theses, and Dissertations*, 9th edition (University of Chicago Press, 2019).

Course Requirements and Assignments

Students should attend all classes and participate fully in discussions and class exercises, as these are critical to learning the course content.

If you know that you will have to miss all or part of a class, please let the instructors know in advance. Please also follow common rules of courtesy to keep from disrupting the class, such as arriving on time and turning off your cell phone.

The following course activities will be graded:

#	Activity	Type	% of course grade	Due
1	Weekly discussion posts	Individual	15%	weekly
2	Strategy evaluation	Individual	15%	2/27
3	Interim existing conditions presentation	Group	20%	4/15
4	Street design vision and justification	Individual	20%	4/15
5	Final complete street plan	Group	15%	5/17
6	Final presentation materials (slides and poster)	Group	15%	5/17

Grading Information

Specific grading policies will be presented when instructions are distributed for each of the letter-graded assignments (#2 - #5).

The weekly Discussion Posts are graded on a pass/fail basis. To get full credit for each memo, you must turn in the work on time and have clearly made a good-faith effort to complete the required tasks.

Your Discussion Post grade will be an "A" if you receive full credit for at least 9 of the 10 assigned memos. In other words, you can skip one memo without any grade penalty. This allows students flexibility in case you have unexpected work or family responsibilities.

For each additional missed Discussion Post, you will lose one letter grade for your overall Discussion Post grade. For example, if you only receive full credit for 8 Discussion Posts, you will receive a grade of "B" and if you receive full credit for 7 Discussion Posts, you will receive an overall Discussion Post grade of "C."

For each assignment turned in late, you will lose one-third of a letter grade for the overall Discussion Post grade. For example, if you turn in 9 memos and one is late, your overall Discussion Post grade will be "A-."

University Policies

Per [University Policy S16-9 \(http://www.sjsu.edu/senate/docs/S16-9.pdf\)](http://www.sjsu.edu/senate/docs/S16-9.pdf), relevant university policy concerning all courses, such as student responsibilities, academic integrity, accommodations, dropping and adding, consent for recording of class, etc. and available student services (e.g. learning assistance, counseling, and other resources) are listed on [Syllabus Information web page \(https://www.sjsu.edu/curriculum/courses/syllabus-info.php\)](https://www.sjsu.edu/curriculum/courses/syllabus-info.php) (<https://www.sjsu.edu/curriculum/courses/syllabus-info.php>). Make sure to visit this page to review and be aware of these university policies and resources.

Course Schedule

The following schedule outlines class session topics, readings, and work due.

This schedule is subject to change. There may be modifications to the specific readings due or class topics for a day, but the structure and due dates of the graded assignments will not change.

January 30	Introductions Class overview Introduction to the Santa Clara Complete Street Project with guest Eric Eidlin (City of San Jose)
Reading	NACTO, Global Street Design Guide , read "Chapter 1: Defining Streets"
Work due	Discussion post 1: What's with Your Street? (see Assignments tab)

February 6	Class meets at the Diridon Station: Santa Clara site visit with guest Eric Eidlin (City of San Jose). We will meet at the benches in the main waiting room. Meeting at San Jose City Hall: Introduction to Complete Streets with guest Zahi Khattab (City of San Jose)
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Reading	Story Keyes Complete Streets Final Study (skim whole document; read chapter 4 carefully) San Jose Complete Streets Standards and Guidelines (Sections 1 - 3)
Work due	Discussion post 2: Is Your Street Complete?

February 13	Street life and pedestrians Finding and using research in transportation planning
Reading	NACTO, Global Street Design Guide - read "Chapter 5: Design Streets for Place" and "6.3 Designing for Pedestrian"
Work due	Discussion post 3: TBD

February 20	Transit planning Discussion of street life audits
Reading	San Jose Transit First Policy and Toolbox NACTO, Global Street Design Guide - "Chapter 6.4 Design for Cyclists & 6.5 Designing for Transit Users"
Work due	Discussion post 4: Street Life Audit

February 27	Universal design, with guest Michele Mashburn Vision Zero, with guest Jesse Mintz-Roth (tentative) Discussion of Strategy Evaluation assignments
Reading	NACTO, Global Street Design Guide - "Chapter 6.1: A Variety of Street Users" and "Chapter 6.2: Comparing Street Users"
Due	Strategy Evaluation

March 6	Drivers, cyclists, and micromobility riders
Reading	NACTO, Global Street Design Guide -"Chapter 6.4: Designing for Cyclists" and "6.6: Designing for Motorists"
Work due	

March 13	Road geometry and engineering Measuring travel flows
Reading	San Jose's Lincoln Avenue Road Diet
Work due	Discussion post 6: Santa Clara Street Audit

March 20	Equity and justice
Reading	TBD
Work due	Discussion post 7: TBD

March 27	Spring break - no class
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April 3	The guides: plans, policies, and laws
Reading	San José Downtown Transportation Plan
Work due	Discussion 8: Public Life Audit Findings

April 10	Group working sessions to prepare the Existing Conditions assignment
Reading	None
Work due	Draft materials for Existing Conditions assignment

April 15 (Saturday)	Existing Conditions presentations - Joint session with URBP 201 held at San Jose City Hall
10 am - 2 pm	
Work due	Existing Conditions - written document + presentation materials

April 17	Streets of the future Emerging mobility and the city
Reading	"Evolution of the Street: A View from 2070," <i>TR News</i> , Oct/Nov 2020
Work due	Discussion post 9: TBD

April 24	Class working session: developing the Complete Street vision
Reading	None
Work due	Complete Street Design Vision for Santa Clara Street

May 1	Plan implementation Funding
Reading	TBD
Work due	Discussion post 10: TBD

May 8	Plan adoption Communications
Reading	TBD
Work due	Draft final assignment materials

May 15	Practice and prep for final presentations
Reading	None
Work due	None

May 17 (Wednesday) 2:30 - 4:30 pm	Final presentations at City Hall
Work due	Final Complete Street Plan for Santa Clara Street (written document + presentation materials)