



UNIVERSITY *of* WASHINGTON

DEPARTMENT OF URBAN DESIGN AND PLANNING

College of Built Environments

URBDP 576/CET 586: User and Design Considerations for Pedestrian and Rolling Mobility (3 credits)

Spring 2022, Thursdays 1:30-4:20pm | Condon Hall 110B

Instructor: Rachel Berney, Ph.D. (she/her/hers)

Office: Gould 448C

Email: rberney@uw.edu

Office hours: Wednesdays, 1:00-2:00pm, and by appt.

Class assistant: Rachel Vierstra, MUP-MPH Candidate 2023 (she/her/hers)

Contact info: vierstra@uw.edu or via Canvas

Course website: <https://canvas.uw.edu/courses/1448454>

Overview

Course Description

This course invites students across UW to learn from and engage with one another and the instructor on non-motorized transportation (NMT) issues for walking and rolling. The class focuses on user needs and experience, urban form, land use, and design and planning considerations. As cities seek to move towards more sustainable and equitable transportation systems, questions about the distribution of resources arise from the perspective of modal split as well as communities and/or places that have not received their fair share of investment or are being asked to accommodate infrastructure meant for other users. Cities are incorporating NMT facilities as they seek to rebalance their approach to transportation planning and design. There are also robust conversations and critiques amongst practitioners, advocates, community members, and city staff around issues of transportation justice such as the “right to mobility” and fears about gentrification pressures developing from NMT infrastructure investment.

Learning Objectives

By the end of this course, you will be able to:

- Define and describe pedestrian and rolling travel
- Articulate a mobility justice framework and what that framework means to you
- Understand the basics of what each type of travel requires, e.g. surface conditions, path width, and supportive elements
- Critically examine the interrelationships and considerations of user need, equity, form and/or design decisions in relation to NMT
- Recognize and debate socioeconomic, cultural, and political trade-offs of building NMT systems
- Refer to and describe examples of successful applications of NMT design

Prerequisites

There are no prerequisites for this class.

Classroom Norms & Expectations

Equity, Diversity & Inclusion

The University of Washington and the Department of Urban Design and Planning (UDP) believe that equity, diversity, and inclusion are integral to excellence.

UDP Mission

UDP is striving to shift the culture of planning to engage and enhance diversity, equity, and inclusion, not just within the academic context, but also in the profession. We aspire to drive change not merely by responding to trends, but also by leading the change we seek.

UDP Values

Equity - Strive for fairness of results/outcomes rather than equal access to opportunity. Diversity - Vibrant and healthy community involves recognizing and supporting differences. Inclusion - Create an environment where everyone can participate and everyone belongs.

In this class, we will value and honor diverse experiences and perspectives and strive to create a welcoming and respectful learning environment for all students. In this class, we will also respect the general goals of academic freedom and ensure that they are maintained. Differences of opinion, critical analysis, and honest feedback are welcomed, and should be expressed in a manner that supports the learning process.

Course-specific Politics Conduct and Culture

This classroom is meant to be an inclusive and welcoming space. We have listed some ground rules here to help promote a shared classroom experience. We will strive to create and maintain a space where we all:

- Respect and support each other
- Actively listen
- Contribute
- Brainstorm
- Ask questions
- Take risks
- Monitor your air time
- Consider intent vs. impact
- Strive for excellence
- Do your best and move forward

Participation

While this class includes instructor and guest presentations, it also relies on robust discussion and Q&A to help us critically examine NMT issues in the context of the class. The quality of each class will depend upon your preparation and participation. The questions listed in italics for each class session create a starting point to critically examine themes in the readings. Please use these study questions and others to guide your reading and analysis of the readings and discussion; they can also serve as a jumping off point for discussion. Participation points in this course will be awarded for discussions and contributions to class. Also see Assignments.

Modules

You will find information and reading links, discussion links, and assignments in the weekly Modules.

Discussion

We encourage you to share reading responsibilities. We also encourage all students to comment on and critique any of the required or optional readings, as well as to share additional reading, resources, and current news events related to course topics. We encourage civil, thoughtful, and rigorous debate and deliberation here and in the course generally. Also see Discussion in the Assignments section.

If you feel that any of these standards are not being met by a fellow student or an instructor, you should discuss your concerns with the instructor or bring them to the attention of the Department Chair or other administration representative.

Communication

Students are encouraged to contact us by email and in person during class and office hours. We will do our best to reply to emails within 48 hours, 72 hours over a weekend, and the workday following a holiday unless otherwise noted. We may not be available for questions during the 24 hours before an assignment is due – so plan ahead. Simple questions will be answered by email, but for more complex discussions students may be asked to visit office hours.

To promote independence and critical thinking, students are encouraged to work through the following process for obtaining answers to course-related questions before contacting me. First, consult the course syllabus. If you do not find the answer you need, next consult a classmate. Finally, if you have exhausted these methods, email us.

Class materials will be accessed primarily through Canvas; some files will also be available through our class's Google Drive.

Course evaluation

Formal course evaluation occurs at the end of the quarter university-wide. If you are experiencing a problem with the class, please let us know as soon as possible, as we might be able to correct for changes if needed within the course of the class. We welcome ongoing feedback on how to create the best course experience. I will also do some informal check-ins with you.

Technology in the Classroom

Please do your best to be respectful with your use of technology. See the note below on Academic Accommodations if you need to use technology in the classroom due to a disability.

Attendance

Do your best to participate, but we understand that unexpected things might come up. Please let us know ahead of time about planned absences.

Course Requirements

Readings

There are three types of “readings” for this class: required, recommended, and reference library/ additional resources. Everyone is responsible for the required readings and encouraged to examine the other readings. We welcome suggestions for future readings as well.

Technological Proficiency and Hardware/Software Required

To complete the assignments, all students should be comfortable using Microsoft Word, Excel, and PowerPoint or the equivalent programs. GIS and SketchUp proficiency may be useful for the team project. Basic knowledge of graphic design software (e.g. Adobe Illustrator and InDesign) will also be helpful.

Students who require a device to use for academic purposes have access to the UW Student Loaner Program, please visit <http://be.washington.edu/spaces/computing/student-loaner-program/>. Students are also welcome to conduct any needed computer-based work in the Digital Commons in the basement of Gould Hall or in other computer labs on campus.

Course Costs

None are anticipated for this class.

Assignment Overview

Participation/Discussion (10% of grade)

One point will be awarded for your participation in each week’s online discussion thread.

Assignment 1T or 1P (10% of grade) T=Team, P=Paper

These are the kick-off assignments for your choice of final project. For T1, the team will develop a workplan that will be approved by the instructor. For P1, students working on individual papers will submit a draft abstract and outline. All paper topics must be approved by the instructor.

Assignment 2T or 2P (15% of grade)

Team = Data collection and cleaning

Paper = Detailed outline and references

Assignment 3T or 3P (20% of grade)

Team = Assessment

Paper = Draft paper > peer feedback

Assignment 4T or 4P (20% of grade)

Presentation of your work to classmates and invited guests

Assignment 5T or 5P (25% of grade)

Team = Submittal of final report Paper – Submittal of final paper

Performance criteria:

We will look for complete responses to each assignment prompt.

Grading Breakdown Summary

Assignment	% of Grade/Points
Participation	10
Assignment T1 or P1	10
Assignment T2 or P2	15
Assignment T3 or P3	20
Assignment T4 or P4	20
Assignment T5 or P5	25
<i>Total</i>	100

Grading Scale

Final course grades will be calculated using the UW Graduate Grading Scale. ***Please note that within the sub-categories (e.g. A), grades may be curved.***

A	3.9-4.0	98-100 points	Outstanding
A-	3.5-3.8	90-97 points	Excellent
B+	3.1-3.4	85-89 points	Competency achieved to high standard
B	2.9-3.0	80-84 points	Competency achieved
B-	2.5-2.8	75-79 points	Below Competency

Late Work

Late work submittal will be negotiated by the student and instructor. Substantial lateness may result in a reduction of points.

Course Schedule

Subject to change as needed over the quarter. The most recent version of the syllabus and schedule can always be found on our class's Canvas site.

Week	Date	Topic	Guest and/or Fieldtrip	Assignments (Team)	Assignments (Paper)
1	3.31.22	Course Intro & Intro to NMT	Activity: NMT walk around Condon Hall	Respond to Wk 1 discussion, typ. each week.	Respond to Wk 1 discussion, typ. each week.
2	4.7.22	NMT & User Needs & Behaviors		T1 Assigned: Team Mtg & Workplan Dev.	P1 Assigned: Draft Abstract & Outline
3	4.14.22	Pedestrian Considerations & Walkability	Guest speaker/ UW LR station	T1 Due, T2 Assigned: Data Collection & Cleaning	
4	4.21.22	Rolling Considerations			P1 Due, P2 Assigned: Detailed Outline & References List
5	4.28.22	Accessibility & the NMT Environment	Guest speaker		
6	5.5.22	Equitable Development in NMT		T2 Due, T3 Assigned: Data Analysis	P2 Due, P3 Assigned: Draft Paper & Peer Feedback
7	5.12.22	N'hood mobility planning I	Guest speaker		
8	5.19.22	N'hood mobility planning II		T3 Progress Report Due	P3 Due
9	5.26.22	Institutions and NMT	Guest speaker		P3 Peer Feedback Due
10	6.2.22	Final presentations (team project & paper)	Invited guests	T4 Due: Final Presentation	P4 Due: Final Presentation
11	Finals Week	Final submittal		T5 Due: Final Report	P5 Due: Final Paper

Academic Conduct and Accommodations

Academic Integrity

The University of Washington expects students to know their responsibilities and to maintain the highest standards of academic conduct (WAC 478-121). Students are held responsible for any violation of the University of Washington Student Code irrespective of whether the violation was intentional or not. Students suspected of cheating or otherwise violating the misconduct code will be referred to the College disciplinary process.

Plagiarism: Plagiarism is the use of another person's words or ideas without proper citation. Plagiarism is considered a form of cheating at the University of Washington and can result in disciplinary action including and up to dismissal from the university. If you are unsure of what plagiarism is, or how to avoid it, please consult your instructor.

For more information on academic responsibility, including plagiarism and other forms of cheating, see <http://depts.washington.edu/grading/pdf/AcademicResponsibility.pdf>

Academic Accommodations

Your experience in this class is important to me. If you have already established accommodations with Disability Resources for Students (DRS), please communicate your approved accommodations to me at your earliest convenience so we can discuss your needs in this course.

If you have not yet established services through DRS, but have a temporary health condition or permanent disability that requires accommodations (conditions include but not limited to; mental health, attention-related, learning, vision, hearing, physical or health impacts), you are welcome to contact DRS at 206-543-8924 or uwdrs@uw.edu or disability.uw.edu. DRS offers resources and coordinates reasonable accommodations for students with disabilities and/or temporary health conditions. Reasonable accommodations are established through an interactive process between you, your instructor(s) and DRS. It is the policy and practice of the University of Washington to create inclusive and accessible learning environments consistent with federal and state law.

Religious Accommodations

Washington state law requires that UW accommodate student absences or significant hardship due to reasons of faith or conscience, or for organized religious activities. The UW's policy, including more information about how to request an accommodation, is available at:

[Religious Accommodations Policy \(https://registrar.washington.edu/staffandfaculty/religious-accommodations-policy/\)](https://registrar.washington.edu/staffandfaculty/religious-accommodations-policy/). Accommodations must be requested within the first two weeks of this course using the [Religious Accommodations Request form \(https://registrar.washington.edu/students/religious-accommodations-request/\)](https://registrar.washington.edu/students/religious-accommodations-request/)

Support Systems

The University of Washington provides a variety of resources for students to help ensure their health and safety. If you do not see what you need on this list, please consult the departmental website, or speak with your instructor or your graduate advisor. Also, as you encounter new resources, please share them with the instructor to have them incorporated into future resource lists.

At the University of Washington

UW Food Pantry, <https://www.washington.edu/anyhungryhusky/the-uw-food-pantry/>

Poplar Hall 210, 1311 NE 41st St., enter through the north side of the building at Brooklyn and 41st. Call, email uwpantry@uw.edu, or see the website for more information. Community partner, University District Food Bank. The UW Food Pantry provides food assistance to students, staff, and faculty. If you are making a choice between the food you need to sustain a healthy life and other pressing priorities we call this experience food insecurity.

UW Husky Health and Wellbeing Resources, <https://wellbeing.uw.edu/>

UW Leadership Without Borders, undocu@uw.edu or (206) 685-6301

Leadership Without Borders (LWB) works to serve and empower undocumented students at the University of Washington. LWB is located at the Kelly Ethnic Cultural Office's 3rd floor on the Northeast corner at 3931 Brooklyn Avenue NE.

UW Office of the Ombud, ombuds@uw.edu or (206) 543-6028.

We serve the entire University of Washington community by providing a collaborative and confidential environment to discuss your situation, consider options, and develop a plan for the future.

UW Police – Emergencies 911, Non-emergencies (206) 685-UWPD (8973) For emergencies or to report a crime

UW Police Department Victim Advocate – (206) 543-9337 or UWPDAdvocate@uw.edu

Advocates provide a confidential place for you to seek support, information and assistance if you have experienced sexual assault, sexual harassment, intimate partner violence or stalking.

The Q Center at UW

HUB 315, a supportive student-run center for people of all genders and identities.

UW SafeCampus – Emergencies 911, (206) 685-7233

Available 24 hours/7 days a week. SafeCampus is the University of Washington's violence-prevention and response program. We support students, staff, faculty and community members in preventing violence. Call SafeCampus anytime — no matter where you work or study — to anonymously discuss safety and well-being concerns for yourself or others.

UW Sexual Assault Resources, <http://www.washington.edu/sexualassault/>

UW Student Counseling Center – (206) 543-1240

401 Schmitz Hall, <http://www.washington.edu/counseling/>

UW Student Veteran Life Center - (206) 221-0830, HUB 206

UW Title IX Investigation Office – (206) 616-5334 or tixinv@uw.edu

For complaints that a university student has violated the sexual misconduct provisions of the Student Conduct Code.

Outside the University

Crisis Connections – 1 (866) 427-4747

24-hour crisis line for people in the Seattle area. Call if you have concerns about urgent on- or off-campus mental health needs.

National Sexual Assault Telephone Hotline – 1 (800) 656-4673 Provides free and confidential support.

National Suicide Prevention Lifeline – 1 (800) 273-8255

Provides free and confidential emotional support to people in suicidal crisis or emotional distress 24 hours a day, 7 days a week. www.suicidepreventionlifeline.org

U District Houseless Shelter

Roots Young Adult Shelter – (206) 632-1635 or rootsinfo.org Located at 1415 NE 43rd St., Seattle, WA