COURSE DESCRIPTION:
This course will offer an overview of transportation problems and policies in the United States from a multi-disciplinary perspective. We will study transportation as a complex socio-technical system – one shaped by complex social and political drivers, creating urgent and harmful outcomes, and which will be solved with multiple planning and policy approaches crossing disciplines, sectors, scales and strategies. This course will explore transportation’s relationship to broader social problems and how it holds the potential to both exacerbate and help to solve them. We will study the ways transportation impacts urban life, from economics, public finance and policy, to environmental and social impacts. We will begin by reviewing travel trends over the past four decades along with an overview of the past century of transportation planning history. Then, the relationships between land use and transportation and travel behavior will be explored. We then look at the microeconomics of travel behavior and how travelers respond to transportation policies. The various environmental externalities of transportation are also explored, including local and global pollution, safety, barrier effects, secondary health impacts and issues related to petroleum dependence. Emerging “new mobility” systems such as ride-sourcing, micro-mobility and car-sharing are explored. We explore social impacts, both in terms of transportation outcomes’ impacts on different groups in society, as well as unequal representation in the planning process. We end the course looking at new paradigms for sustainable transportation from cases around the world and the U.S. Throughout, some basic transportation planning tools will be introduced to provide the framework for discussion, but students are encouraged to follow up with other courses for a more coverage of transportation techniques like GIS, regional transportation modeling, transportation planning, public finance, public transit planning or policy analysis.

LEARNING OUTCOMES:
After completing this course, students will master the following concepts:

- The history and dynamics of urban transportation change and development
- The environmental impacts of travel at the local, regional, and global scale
- The unpriced externalities of travel (air pollution, congestion, injuries and death, climate change)
- The dynamics of energy prices and supply and demand and its effects on transportation
- The microeconomics of travel (choice processes, nested choices, fixed and marginal costs)
- The effects of transportation systems on social equity
- The interaction between urban form and innovations in transportation technologies and travel costs
- Demographic changes and their effects on transportation demand
- Emerging new-mobility, micro-mobility systems (e-scooters, ridesourcing, etc.)
- Sustainable transportation paradigms

ASSESSMENT AND GRADING
The course will include one required meeting per week, required and optional readings, smaller outside assignments, and one quarter-long project. It is imperative that everyone prepares the readings and the assignments, as we will include a lot of detailed discussion and debate during class and everyone will be asked to contribute. It is essential to come to every meeting in this course.

Assignments will be judged for their coherence, clarity in writing, and the clarity of documentation (citing the sources you used). Make sure you cite all references and sources of data; include a list of references at the end of your assignments if appropriate. All assignments should be uploaded as a Word or PDF files into the dropbox on
the D2L website for the class. Please also bring the assignments with you to class (on your computer, phone, hard-copy – whatever you prefer) as they will be discussed.

The final grade will be calculated from weighting the assignments and in-class performance in the following manner:

1. Short assignments based on the readings 60%
2. In-class participation and attendance 15%
3. Major quarter assignment 25%

**Short Assignments:** There will assignments of various lengths (and point values) posted to accompany the sets of required readings and most will be due before the class in which they will be discussed. Assignment due dates are non-negotiable except for very extenuating circumstances (medical, family emergency). Late assignments with no excuse will be marked down 5% per day late.

**Major Assignments:** The major assignment will be a policy or project analysis to be announced on Oct 17.

**Final Grading Scale:**
A 93.0 % and above; A- 90.0 %; B+ 87.0 %; B 83.0 %; B- 80.0 %, etc.

**COURSE RESOURCES:**
**Readings:** There is *no* textbook for the course. A **D2L website** is set up for the class. The site contains all assignments, required and optional readings outside of the textbook, and is where your completed assignments should be uploaded.

**ACADEMIC INTEGRITY**
Students are expected to be ethical not only in the classroom, but also out of the classroom. It is in all students’ interest to avoid committing acts of academic dishonesty and to discourage others from committing such acts. Academic dishonesty includes, but is not limited to, the following examples: engages in any form of academic deceit; refers to materials or sources or uses devices not authorized by the instructor for use during any quiz or assignment; provides inappropriate aid to another person in connection with any quiz or assignment; engages in Plagiarism. Plagiarism is the act of claiming someone's work as your own through copying it without giving the creator of the work credit. Plagiarism can also include using another person's theories, ideas, or phrases without proper attribution. The simplest way to avoid plagiarizing is to always cite the sources from which you gather information or develop arguments – just cite anything you use from someone else (it actually makes your work stronger!). Plagiarism is a serious issue and is a violation of the PSU Student Conduct Code [http://www.ess.pdx.edu/OSA/osa_b.htm](http://www.ess.pdx.edu/OSA/osa_b.htm). University policy requires instructors to report all instances of plagiarism and penalize the perpetrator(s) according to guidelines set. Please see Dr. Golub if you ever have any questions about how to cite your work.

**CAMPUS SUPPORT FOR RESPONDING TO HARASSMENT OR DISCRIMINATION**
Title IX: Title IX is a federal law that requires the university to appropriately respond to any concerns of sex/gender discrimination, sexual harassment or sexual violence. To assure students receive support, faculty members are required to report any instances of sexual harassment, sexual violence and/or other forms of prohibited discrimination to PSU’s Title IX Coordinator, Julie Caron. If you would rather share information about these experiences with an employee who does not have these reporting responsibilities and can keep the information confidential, please contact one of the following campus resources (or visit this link):

- Women’s Resource Center (503-725-5672) or schedule on line at [https://psuwrc.youcanbook.me](https://psuwrc.youcanbook.me)
- Center for Student Health and Counseling (SHAC): 1880 SW 6th Ave, (503) 725-2800
- Student Legal Services: 1825 SW Broadway, (SMSU) M343, (503) 725-4556
PSU’s Title IX Coordinator and Deputy Title IX Coordinators can meet with you to discuss how to address concerns that you may have regarding a Title IX matter or any other form of discrimination or discriminatory harassment. Please note that they cannot keep the information you provide to them confidential but will keep it private and only share it with limited people that have a need to know. You may contact the Title IX Coordinators as follows:

- PSU’s Title IX Coordinator: Julie Caron by calling 503-725-4410, via email at titleixcoordinator@pdx.edu or in person at Richard and Maureen Neuberger Center (RMNC), 1600 SW 4th Ave, Suite 830
- Deputy Title IX Coordinator: Yesenia Gutierrez by calling 503-725-4413, via email at yesenia.gutierrez.gdi@pdx.edu or in person at RMNC, 1600 SW 4th Ave, Suite 830
- Deputy Title IX Coordinator: Dana Walton-Macaulay by calling 503-725-5651, via email at dana26@pdx.edu or in person at Smith Memorial Union, Suite, 1825 SW Broadway, Suite 433

For more information about the applicable regulations please complete the required student module “Creating a Safe Campus in your D2L.”

**DIVERSITY, EQUITY AND INCLUSION**

Have feedback on Diversity, Equity or Inclusion (DEI) at the Toulan School of Urban Studies and Planning? We welcome kudos, ideas, and concerns, related to this particular class or other issues in the Toulan School. Students are welcome to submit anonymous feedback here, and/or communicate with the DEI committee members directly.

**ACCESS AND INCLUSION FOR STUDENTS WITH DISABILITIES**

PSU values diversity and inclusion; we are committed to fostering mutual respect and full participation for all students. My goal is to create a learning environment that is equitable, useable, inclusive, and welcoming. If any aspects of instruction or course design result in barriers to your inclusion or learning, please notify me. The Disability Resource Center (DRC) provides reasonable accommodations for students who encounter barriers in the learning environment.

If you have, or think you may have, a disability that may affect your work in this class and feel you need accommodations, contact the Disability Resource Center to schedule an appointment and initiate a conversation about reasonable accommodations. The DRC is located in 116 Smith Memorial Student Union, 503-725-4150, drc@pdx.edu, https://www.pdx.edu/drc.

If you already have accommodations, please contact me to make sure that I have received a faculty notification letter and discuss your accommodations. Students who need accommodations for tests and quizzes are expected to schedule their tests to overlap with the time the class is taking the test.

For information about emergency preparedness, please go to the Fire and Life Safety webpage (https://www.pdx.edu/environmental-health-safety/fire-and-life-safety) for information.

**SYLLABUS DISCLAIMER**

All syllabi are subject to minor changes to meet the needs of the instructor, school, or class. Every effort will be made to avoid changing the course schedule but the possibility exists that unforeseen events will make syllabus changes necessary. The instructor reserves the right to make changes to the syllabus as deemed necessary. Students will be notified in a timely manner of any syllabus or schedule changes in class, and through the D2L announcements and class email. Please remember to check your PSU email and the D2L messages often.
## COURSE CALENDAR

<table>
<thead>
<tr>
<th>#</th>
<th>Date</th>
<th>Subject</th>
<th>Assignment Due</th>
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<tbody>
<tr>
<td>1</td>
<td>3-Oct</td>
<td>Introduction - trends and big picture</td>
<td></td>
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<tr>
<td>2</td>
<td>10-Oct</td>
<td>Environmental impacts</td>
<td>Assignment 1</td>
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<tr>
<td>3</td>
<td>17-Oct</td>
<td>Social impacts</td>
<td>Assignment 2</td>
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<td>24-Oct</td>
<td>Cancelled</td>
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<td>4</td>
<td>31-Oct</td>
<td>Transportation history</td>
<td>Assignment 3</td>
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<td>7-Nov</td>
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<td>5</td>
<td>14-Nov</td>
<td>Land use and transportation</td>
<td>Assignment 4, Draft Paper Outline</td>
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<td>6</td>
<td>21-Nov</td>
<td>Travel behavior and microeconomics</td>
<td>Assignment 5</td>
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<td>28-Nov</td>
<td>Holiday</td>
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<tr>
<td>7</td>
<td>5-Dec</td>
<td>Alternative modes and technologies</td>
<td>Assignment 6</td>
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<tr>
<td>8</td>
<td>12-Dec</td>
<td>Sustainable transportation proposals</td>
<td>Assignment 7, Final Paper (Dec 13)</td>
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