

# SYLLABUS

## GEOG 5300: Geography of Transportation

Autumn 2020 (full term)

3 credit hours

Online

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# COURSE OVERVIEW

## Instructors

Primary instructor: Dr. Huyen Le

Email: [le.253@osu.edu](mailto:le.253@osu.edu) (preferred contact method)

Office hours: 11-12 TR and by appointments (see Carmen Calendar for details).

Secondary instructor/ TA: Sohuyn Park

Email: [park.2627@buckeyemail.osu.edu](mailto:park.2627@buckeyemail.osu.edu) (preferred contact method)

Office hours: 9-11 WF and by appointments (see Carmen Calendar for details).

## Prerequisites

None.

## Course description

This course examines the spatial and system-wide aspects of transportation in the U.S. and internationally. It covers transportation methods at the introductory level and emphasizes the applications and critical views of the transportation system.

## Course learning outcomes

Upon successful completion of this course, students should be able to:

- Summarize key theories underlying the spatial organization and operations of transportation systems.
- Analyze interconnections within and between social, environmental, and transportation systems.
- Interpret patterns in transportation systems.
- Apply concepts and methods to solve real-world problems in transportation.
- Identify strengths and weaknesses of theories and methods.
- Identify consequences of development processes and affected parties.
- Recognize and value differences in interests of stakeholders.
- Evaluate the outcomes and performance of a transportation system.

## HOW THIS ONLINE COURSE WORKS

**Mode of delivery:** This class is 100% online. All video lectures and learning materials will be uploaded on Carmen Canvas. There will be additional components:

- Group active learning activities through Microsoft Teams (asynchronous and synchronous; time to be determined by group members and approved by instructors).
- Individual and group discussions through Carmen discussion board (asynchronous).
- Online check-ins with the instructors on Zoom (synchronous, time booked on Carmen Calendar).

**Pace of online activities:** This course is divided into **weekly modules** that are released one week ahead of time. Students are expected to keep pace with weekly deadlines but may schedule their efforts freely within that time frame.

**Credit hours and work expectations:** This is a **3-credit-hour course**. According to Ohio State policy ([go.osu.edu/credithours](https://go.osu.edu/credithours)), students should expect around 3 hours per week of time spent on direct instruction (instructor content, group and Carmen activities, for example) in addition to 6 hours of homework (reading and assignment preparation, for example) to receive a grade of (C) average.

**Attendance and participation requirements:** Because this is an online course, your attendance is based on your online activity and participation. The following is a summary of students' expected participation:

- **Participating in online activities for attendance: AT LEAST ONCE PER WEEK**  
You are expected to log in to the course in Carmen every week. You will answer a Carmen quiz to earn participation points. If you have a situation that might cause you to miss an entire week of class, discuss it with us *as soon as possible*.
- **Office hours and check-in sessions: RECOMMENDED**  
All live, scheduled events for the course, including my office hours, are recommended.
- **Participating in discussion forums: 2+ TIMES PER WEEK**  
As part of your participation, each week you can expect to post at least twice as part of our substantive class discussion on the week's topics.

**Communications with instructors:** Questions related to class materials and assignments should be posted on Carmen discussion board under the thread created for that particular week. We will check these posts once per school day. We encourage you to help your classmates out if you know the answers, but make sure you are not violating the code of student conduct (e.g., do not upload your assignment or show them the exact answer to complete their assignments).

Other questions can be directed to the instructors via email (always include both instructors in your emails, in case one of us is unavailable).

# COURSE MATERIALS AND TECHNOLOGIES

## Textbooks

There are no required textbooks for this class. Assigned readings, including book chapters, research articles, and technical reports, will be posted on Carmen Canvas.

## Course technology

### Technology support

For help with your password, university email, Carmen, or any other technology issues, questions, or requests, contact the Ohio State IT Service Desk. Standard support hours are available at [ocio.osu.edu/help/hours](https://ocio.osu.edu/help/hours), and support for urgent issues is available 24/7.

- **Self-Service and Chat support:** [ocio.osu.edu/help](https://ocio.osu.edu/help)
- **Phone:** 614-688-4357(HELP)
- **Email:** [servicedesk@osu.edu](mailto:servicedesk@osu.edu)
- **TDD:** 614-688-8743

### Technology skills needed for this course

- Basic computer and web-browsing skills
- Navigating Carmen ([go.osu.edu/canvasstudent](https://go.osu.edu/canvasstudent))
- CarmenZoom virtual meetings ([go.osu.edu/zoom-meetings](https://go.osu.edu/zoom-meetings))
- Buckeye Box cloud storage (<https://box.osu.edu/>)
- Microsoft Teams for group work (<https://www.microsoft.com/en-us/microsoft-365/microsoft-teams/group-chat-software>)
- Recording a slide presentation with audio narration ([go.osu.edu/video-assignment-guide](https://go.osu.edu/video-assignment-guide))
- Recording, editing, and uploading video ([go.osu.edu/video-assignment-guide](https://go.osu.edu/video-assignment-guide))

### Required equipment

- Computer: current Mac (MacOs) or PC (Windows 10) with high-speed internet connection
- Webcam: built-in or external webcam, fully installed and tested
- Microphone: built-in laptop or tablet mic or external microphone
- Other: a mobile device (smartphone or tablet) to use for BuckeyePass authentication

### Required software

- Microsoft Office 365: All Ohio State students are now eligible for free Microsoft Office 365. Full instructions for downloading and installation can be found at [go.osu.edu/office365help](https://go.osu.edu/office365help).

- Microsoft Teams, included in Microsoft Office 365.

## Carmen access

You will need to use BuckeyePass ([buckeyepass.osu.edu](https://buckeyepass.osu.edu)) multi-factor authentication to access your courses in Carmen. To ensure that you are able to connect to Carmen at all times, it is recommended that you take the following steps:

- Register multiple devices in case something happens to your primary device. Visit the BuckeyePass - Adding a Device help article for step-by-step instructions ([go.osu.edu/add-device](https://go.osu.edu/add-device)).
- Request passcodes to keep as a backup authentication option. When you see the Duo login screen on your computer, click **Enter a Passcode** and then click the **Text me new codes** button that appears. This will text you ten passcodes good for 365 days that can each be used once.
- Download the Duo Mobile application ([go.osu.edu/install-duo](https://go.osu.edu/install-duo)) to all of your registered devices for the ability to generate one-time codes in the event that you lose cell, data, or Wi-Fi service

If none of these options will meet the needs of your situation, you can contact the IT Service Desk at 614-688-4357(HELP) and IT support staff will work out a solution with you.

# GRADING AND FEEDBACK

## How your grade is calculated

All submissions must be made via Carmen Canvas by 11:59PM of the due date to be considered on time.

CATEGORY	POINTS	OCCURRENCE	DUE DATES
Carmen quizzes	4	Weekly	Fridays
Self-introduction	1	Once	8/28 (Friday)
Carmen discussions	7	Weekly	Mondays (original post) Wednesdays (responses)
Group discussions and presentations	6	Multiple times	Check detailed course plan on Carmen.
Assignment 1	12	Once	9/11 (Friday)
Assignment 2	12	Once	9/25 (Friday)
Midterm exam (open book)	12	Once	10/9 (Friday)

Assignment 3	12	Once	10/23 (Friday)
Assignment 4	12	Once	11/6 (Friday)
Group project (for undergraduate student) or individual final paper (for graduate student)	22	Once, with 3 milestones.	11/20 for proposal 12/2 for progress check 12/8 for final submission
Total	<b>100</b>		

## Descriptions of major course assignments

### Assignments 1-4

**Description:** In each assignment, you will create a short memo for transportation practitioners to support them in the decision making process. You will use knowledge, theories, and methods that you learned in this class to explain and address problems in the real world.

**Academic integrity and collaboration:** This is an individual assignment. You may discuss the assignments and approaches to solve the problems with your classmates, however, you may not share your written papers with them or provide them with the direct answers. See also: *Academic integrity policy*.

### Group project (for undergraduate students)

**Description:** You will work with 4-6 other students in a team, select a transportation-related topic in a city of your choice, and apply the knowledge that you learned in this class to address problems in real world such as traffic safety, congestions, and equity. Your group will create a poster to present the problem, approach, and results to the class.

**Academic integrity and collaboration:** This is a group assignment. You will collaborate with your groupmates in all stages of this assignment. You will provide peer evaluation at the end. A grade will be assigned individually based on each member's contribution.

### Final paper (for graduate students)

**Description:**

**Academic integrity and collaboration:** This is an individual assignment. You may discuss with your classmates about this paper, but you may not use any ideas that are not your own without properly citing the sources. See also: *Academic integrity policy*.

*Details about each assignment, including guidelines and rubric, will be made available on Carmen Canvas.*

## Late submissions

By default, late submissions of assignments and final project are penalized by 10% for each late day. Late submissions for discussion posts and mini homework will not be graded.

You have one opportunity to extend your deadline for one day during the semester (indicate it in your submission to get the full credit). This extension will be applied to an assignment of your choice (including the final project or paper). No permission is required; you will indicate in your submission that you are using the one-day extension. **We suggest that you use this opportunity wisely and reserve it for the end of the semester when the workload is unusually high.**

In case of personal and family emergencies, please notify me as soon as possible so that we can work out a new submission time. Such extensions will be granted on a case-by-case basis.

## Grading scale

A	A-	B+	B	B-	C+	C	C-	D+	D	E
≥93%	90-92%	87-89%	83-86%	80-82%	77-79%	73-76%	70-72%	67-69%	60-66%	<60%

*For students who take this course to fulfill the requirements for their majors, a C- is a minimum passing grade.*

## Instructors feedback and response time

We are providing the following list to give you an idea of our intended availability throughout the course. (Remember that you can call **614-688-4357(HELP)** at any time if you have a technical problem).

- **Grading and feedback:** For large assignments, you can generally expect feedback within **10 school days**, unless emergencies occur to one of the instructors.
- **Email:** We will reply to emails within **36 hours on school days when class is in session at the university**.
- **Discussion board:** We will check and reply to messages in the discussion boards every **24 hours on school days**.

## OTHER COURSE POLICIES

### Discussion and communication guidelines

The following are my expectations for how we should communicate as a class. Above all, please remember to be respectful and thoughtful.

- **Writing style:** While there is no need to participate in class discussions as if you were writing a research paper, you should remember to write using good grammar, spelling, and punctuation. A more conversational tone is fine for non-academic topics.
- **Citing your sources:** When we have academic discussions, please cite your sources to back up what you say. For the textbook or other course materials, list at least the title and page numbers. For online sources, include a link.
- **Backing up your work:** Consider composing your academic posts in a word processor, where you can save your work, and then copying into the Carmen discussion.
- **Tone and civility:** Let's maintain a supportive learning community where everyone feels safe and where people can disagree amicably. Remember that sarcasm doesn't always come across online.

Meaningful and constructive dialogue is encouraged in this class and requires a degree of mutual respect, willingness to listen, and tolerance of opposing points of view. Respect for individual differences and alternative viewpoints will be maintained at all times in this class through group meetings, online check-in's, and Carmen discussion board. One's words and use of language should be temperate and within acceptable bounds of civility and decency.

## Health and safety requirements

Although there is no in-person components in this class, all students, faculty and staff are required to comply with and stay up to date on all university safety and health guidance (<https://safeandhealthy.osu.edu>), which includes wearing a face mask in any indoor space and maintaining a safe physical distance at all times. Non-compliance will be warned first and disciplinary actions will be taken for repeated offenses.

## Academic integrity policy

See **Descriptions of major course assignments**, above, for my specific guidelines about collaboration and academic integrity in the context of this online class.

### Ohio State's academic integrity policy

Academic integrity is essential to maintaining an environment that fosters excellence in teaching, research, and other educational and scholarly activities. Thus, The Ohio State University and the Committee on Academic Misconduct (COAM) expect that all students have read and understand the university's *Code of Student Conduct* ([studentconduct.osu.edu](http://studentconduct.osu.edu)), and that all students will complete all academic and scholarly assignments with fairness and honesty. Students must recognize that failure to follow the rules and guidelines established in the university's *Code of Student Conduct* and this syllabus may constitute "Academic Misconduct."

The Ohio State University's *Code of Student Conduct* (Section 3335-23-04) defines academic misconduct as: "Any activity that tends to compromise the academic integrity of the university or subvert the educational process." Examples of academic misconduct include (but are not limited to) plagiarism, collusion (unauthorized collaboration), copying the work of another student, and possession

of unauthorized materials during an examination. Ignorance of the university's *Code of Student Conduct* is never considered an excuse for academic misconduct, so we recommend that you review the *Code of Student Conduct* and, specifically, the sections dealing with academic misconduct.

**If I suspect that a student has committed academic misconduct in this course, we are obligated by university rules to report my suspicions to the Committee on Academic Misconduct.** If COAM determines that you have violated the university's *Code of Student Conduct* (i.e., committed academic misconduct), the sanctions for the misconduct could include a failing grade in this course and suspension or dismissal from the university.

If you have any questions about the above policy or what constitutes academic misconduct in this course, please contact me.

Other sources of information on academic misconduct (integrity) to which you can refer include:

- Committee on Academic Misconduct web page ([go.osu.edu/coam](http://go.osu.edu/coam))
- Ten Suggestions for Preserving Academic Integrity ([go.osu.edu/ten-suggestions](http://go.osu.edu/ten-suggestions))
- Eight Cardinal Rules of Academic Integrity ([go.osu.edu/cardinal-rules](http://go.osu.edu/cardinal-rules))

## Copyright for instructional materials

The materials used in connection with this course may be subject to copyright protection and are only for the use of students officially enrolled in the course for the educational purposes associated with the course. Copyright law must be considered before copying, retaining, or disseminating materials outside of the course.

## Statement on Title IX

All students and employees at Ohio State have the right to work and learn in an environment free from harassment and discrimination based on sex or gender, and the university can arrange interim measures, provide support resources, and explain investigation options, including referral to confidential resources.

If you or someone you know has been harassed or discriminated against based on your sex or gender, including sexual harassment, sexual assault, relationship violence, stalking, or sexual exploitation, you may find information about your rights and options at [titleix.osu.edu](http://titleix.osu.edu) or by contacting the Ohio State Title IX Coordinator at [titleix@osu.edu](mailto:titleix@osu.edu). Title IX is part of the Office of Institutional Equity (OIE) at Ohio State, which responds to all bias-motivated incidents of harassment and discrimination, such as race, religion, national origin and disability. For more information on OIE, visit [equity.osu.edu](http://equity.osu.edu) or email [equity@osu.edu](mailto:equity@osu.edu).

## Commitment to a diverse and inclusive learning environment

The Ohio State University affirms the importance and value of diversity in the student body. Our programs and curricula reflect our multicultural society and global economy and seek to provide opportunities for students to learn more about persons who are different from them. We are committed

to maintaining a community that recognizes and values the inherent worth and dignity of every person; fosters sensitivity, understanding, and mutual respect among each member of our community; and encourages each individual to strive to reach his or her own potential. Discrimination against any individual based upon protected status, which is defined as age, color, disability, gender identity or expression, national origin, race, religion, sex, sexual orientation, or veteran status, is prohibited.

## Your mental health

As a student you may experience a range of issues that can cause barriers to learning, such as strained relationships, increased anxiety, alcohol/drug problems, feeling down, difficulty concentrating and/or lack of motivation. These mental health concerns or stressful events may lead to diminished academic performance or reduce a student's ability to participate in daily activities. No matter where you are engaged in distance learning, The Ohio State University's Student Life Counseling and Consultation Service (CCS) is here to support you. If you find yourself feeling isolated, anxious or overwhelmed, on-demand resources are available at [go.osu.edu/ccsondemand](https://go.osu.edu/ccsondemand). You can reach an on-call counselor when CCS is closed at 614- 292-5766, and 24-hour emergency help is also available through the 24/7 National Prevention Hotline at 1-800-273-TALK or at [suicidepreventionlifeline.org](https://suicidepreventionlifeline.org). The Ohio State Wellness app is also a great resource available at [go.osu.edu/wellnessapp](https://go.osu.edu/wellnessapp).

## ACCESSIBILITY ACCOMMODATIONS FOR STUDENTS WITH DISABILITIES

### Requesting accommodations

The university strives to make all learning experiences as accessible as possible. If you anticipate or experience academic barriers based on your disability including mental health, chronic or temporary medical conditions, please let me know immediately so that we can privately discuss options. To establish reasonable accommodations, we may request that you register with Student Life Disability Services. After registration, make arrangements with me as soon as possible to discuss your accommodations so that they may be implemented in a timely fashion. **SLDS contact information:** [slds@osu.edu](mailto:slds@osu.edu); 614-292-3307; 098 Baker Hall, 113 W. 12<sup>th</sup> Avenue.

### Accessibility of course technology

This online course requires use of CarmenCanvas (Ohio State's learning management system) and other online communication and multimedia tools. If you need additional services to use these technologies, please request accommodations with your instructor.

- Canvas accessibility ([go.osu.edu/canvas-accessibility](https://go.osu.edu/canvas-accessibility))
- Streaming audio and video
- CarmenZoom accessibility ([go.osu.edu/zoom-accessibility](https://go.osu.edu/zoom-accessibility))
- Collaborative course tools

## COURSE SCHEDULE

Refer to the Carmen course for up-to-date assignment due dates.

Week	Dates	Topics	Assignments
1	8/24 - 8/30	Transportation systems: an overview	Self-introduction
2	8/31 – 9/6	Spatial organization	
3	9/7 – 9/13	Transportation, economy & society	Assignment 1
4	9/14 – 9/20	Transportation modes and terminals	
5	9/21 – 9/27	Freight and logistics	Assignment 2
6	9/28 – 10/4	Transportation network	
7	10/5 – 10/11	System dynamics of transportation	Midterm exam
8	10/12 – 10/18	System dynamics of transportation, system of systems	
9	10/19 – 10/25	Externalities: safety, health, environments	Assignment 3
10	10/26 – 11/1	Transportation and land use	
11	11/2 – 11/8	Travel behavior and demand management	Assignment 4
12	11/9 – 11/15	Accessibility and equity	
13	11/16 – 11/22	ICT and travel	Group project – proposal
14	11/30 – 12/4	Emerging technologies and future outlooks	Group project – progress check & final submission