THE OHIO STATE UNIVERSITY

SYLLABUS
GEOG 2200.01: Mapping Our World
Spring 2021 (full term)
3 credit hours
Online, async. lectures with sync. lab & discussions 11:10-12:30 W

CONTENTS

COURSE OVERVIEW

Instructors

Primary instructor: Dr. Huyen Le

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

Office hours: 3-4 T & 2-3 F (book a slot on Carmen Calendar) or by appointment

TA: John Temmen

Email: temmen.2@buckeyemail.osu.edu (preferred contact method)

Office hours: 9-10 MW (book a slot on Carmen Calendar) or by appointment

Details about office hours are available in the course website. To request an appointment outside of the above times, please send both instructors an email with your availability up to a week ahead.

Prerequisites

None.

Course description

Maps use a powerful language to show patterns that are not apparent in other data presentations. Corporations, government, media, and researchers use maps and geographic information technology to understand and visualize data on for example natural resources, flows of trade, historical events, property management, and diseases.

In this course, we will explore what makes spatial information special, how and why maps are such a powerful tool to understand an increasingly complex world, and how modern technology is currently transforming the art and science of map-making. In hands-on fieldwork, practical exercises and discussions, students will develop the knowledge, skills, and dispositions that constitute geographic information literacy. The main goal is to give students a geovisual literacy foundation (including spatial quantitative reasoning methodologies) so students can realize the value of geographic knowledge and develop their ability to analyze real-world, critical problems such as understanding international markets, demographic patterns, business locations, social and equity issues, transportation and infrastructure, natural disaster recovery and responses, and much more.

Course learning outcomes

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

1. employ basic methods of spatial data-gathering, presentation, and interpretation;
2. interpret map symbology in order to analyze and critically evaluate the spatial structure of and relationships among spatial phenomena;
3. demonstrate familiarity with some basic concepts of descriptive and inferential statistics in order to understand some unique properties of spatial statistics;
4. apply statistical ideas to seek explanations for unusual or interesting patterns on maps;
5. evaluate the impact of spatial data sampling, uncertainty and scale on map use.

GENERAL EDUCATION: DATA ANALYSIS

This course meets the requirements of the General Education category *Data Analysis*. The intent of the Data Analysis GE is to enable students to deal with problems of data gathering, presentation, and interpretation. Students should develop an understanding of problems of measurement, be able to deal critically with numerical and graphical arguments, gain an understanding of the impact of statistical ideas in daily life and specific areas of study, and recognize the uses and misuses of statistics and related quantitative arguments.

GE Goals for Data Analysis: Students develop skills in drawing conclusions and critically evaluating results based on data.

Expected Learning Outcomes: Students understand basic concepts of statistics and probability, comprehend methods needed to analyze and critically evaluate statistical arguments, and recognize the importance of statistical ideas.

This course meets these goals and objectives by exposing students to the problems of data gathering, presentation, and interpretation, in the context of spatial, statistical maps.

HOW THIS ONLINE COURSE WORKS

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

- General lectures: asynchronous on Carmen Canvas.
- Labs and exercises: synchronous on Zoom, every Wednesday during the regular class time.
- Office on Zoom (synchronous, time booked on Carmen Calendar).

Pace of online activities: This course is divided into **weekly modules** that are released every Monday. 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), 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**: **AT LEAST ONCE PER WEEK**
  You are expected to log in to the course in Carmen every week. 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.

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). ***Make sure that you put "GEOG 2200" in the subject line.***

COURSE MATERIALS AND TECHNOLOGIES

Textbooks

Required texts:

1. *Monmonier, M (2018) How to Lie with Maps. Third edition. University of Chicago Press.*
2. *Wheelan, C. (2013) Naked Statistics: Stripping the Dread from the Data.* W. W. Norton & Company.

   Other readings will be uploaded on Carmen Canvas.

Recommended texts:

3. Kimerling, A.J., Buckley A. R., Muehrcke, P.C., Muehrcke, J.O. (2016). *Map Use: Reading Analysis, Interpretation.* Eighth edition. ESRI Press.
4. *Gimond, M (2019). Introduction to GIS and Spatial Analysis*. Retrieved from https://mgimond.github.io/Spatial/index.html

I highly recommend you checking maps in news outlets including, but not limited to, the New York Times (with discounted student subscription), Washington Post, and Citylab.

Course schedule

Refer to this Google Docs for up-to-date assignment due dates.

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, and support for urgent issues is available 24/7.

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

Technology skills needed for this course

- ArcGIS Online (to be learned in this class; assumed no past experience with this platform)
- Microsoft Excel
- Basic computer and web-browsing skills
- Navigating Carmen (go.osu.edu/canvasstudent)
- CarmenZoom virtual meetings (go.osu.edu/zoom-meetings)
- One Drive cloud storage associated with your OSU email account (https://onedrive.live.com/)
- Recording a slide presentation with audio narration (go.osu.edu/video-assignment-guide)
- Recording, editing, and uploading video (go.osu.edu/video-assignment-guide)

Required equipment

- Computer: current Mac (Mac OS) 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.

Carmen access

You will need to use BuckeyePass (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).
- 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) 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 on the due date to be considered on time.

CATEGORY	POINTS	OCCURRENCE	DUE DATES
Participation and in-class discussion	7%	Multiple	
Self-introduction	1%	Once	
In-class panel discussion	5%	Once	Varied by group
Lab assignments	55%	Multiple	Mondays
Midterm exam (online, open book)	12%	Once	Mar 10 (Wednesday)
Term paper	20%	Once, with 3 milestones	Apr 28 (Wednesday)
Total	**100%**		

Attendance and in-class discussion (7%)

Class attendance is required and accounts for 7% of the total grade. Attendance will be taken through online Carmen quizzes and/or real-time in-class quizzes. Students are expected to read the assigned reading before class and prepare questions related to the readings. These questions will be used in the class discussion.

In-class panel discussion (5%)

Each group of 4-6 students will form a panel to present and discuss one chapter from *Monmonier (1996) or one chapter from Wheelan (2013). The rest of the class will provide comments and questions to the panel.*

Lab assignments (55%)

You will have multiple lab assignments throughout the semester. You will work on the lab exercise then summarize the results in a short memo. Examples of memo and rubric are available on Carmen Canvas.

Midterm exam (12%)

This exam is open-book, online, and timed.

Term paper (20%)

You are expected to consult with me during the semester about the topic, data gathering, and analysis (5%). You will share a short recording of your presentation with your classmates (5%) and upload your final paper (10%) for grading on Carmen Canvas. Instruction for the term paper is posted on Carmen Canvas.

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

Late submissions

By default, late submissions of discussion posts/responses, quizzes, assignments, final project (or paper) are subject to 5% grade reduction for each late day. Late submission is always better than no submission.

You have <u>one</u> opportunity to extend your deadline <u>for one day</u> 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 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%

Note: P/NP option may be available during COVID-19. Check the OSU website and/or with your academic advisor.

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

Absence related to COVID-19

Continuous engagement with this course is essential to learning the material. Students are expected to attend class and engage with assignments and discussion prompts for every scheduled meeting, participating at least twice per week (ideally thrice) for courses with fully remote participation. Students who need to miss class or who are not able to participate due to illness (COVID-19 or other illnesses), exposure to COVID-19, care for family members exposed to COVID-19 or other reasons are expected to contact the instructors as soon as possible to arrange for accommodation. Students in special situations or those requiring specific, long-term or other accommodation should seek support from appropriate university offices including but not limited to Student Advocacy, Student Life Disability Services and the Office of Institutional Equity.

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), 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)
- Ten Suggestions for Preserving Academic Integrity (go.osu.edu/ten-suggestions)
- Eight Cardinal Rules of Academic Integrity (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 or by contacting the Ohio State Title IX Coordinator at 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 or email 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. 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. The Ohio State Wellness app is also a great resource available at go.osu.edu/wellnessapp.

ACCESSIBILITY ACCOMMODATIONS FOR STUDENTS WITH DISABILITIES

Requesting accommodations

The university strives to make all learning experiences as accessible as possible. In light of the current pandemic, students seeking to request COVID-related accommodations may do so through the university's request process, managed by Student Life Disability Services. If you anticipate or experience academic barriers based on your disability (including mental health, chronic, or temporary medical conditions), please let us 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 us as soon as possible to discuss your accommodations so that they may be implemented in a timely fashion. SLDS contact information: slds@osu.edu; 614-292-3307; slds.osu.edu; 098 Baker Hall, 113 W. 12th 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)
- Streaming audio and video
- CarmenZoom accessibility (go.osu.edu/zoom-accessibility)
- Collaborative course tools