THE OHIO STATE UNIVERSITY

SYLLABUS
GEOG 2200.01: Mapping Our World
Spring 2023
3 credit hours – lecture based
11:10-12:30 MW, Derby 135

COURSE OVERVIEW

Instructor and Teaching Assistant (TA)

Primary instructor: Dr. Tammy E. Parece
Office: 1168 Derby Hall
Email: parece.1@osu.edu
Open Office hours: Monday, 9 – 10am; Wednesday 1–2 p.m. (on zoom) & Friday 10–11 a.m.

TA: Sara Moya; moya.20@buckeyemail.osu.edu
Open office hours: Monday, 1 – 2 pm; Friday 12:30 – 1:30 p.m. on Zoom.

If you are ill or have symptoms, please do not visit us in our offices, please email us and we can set up a zoom link for your participation during our office hours. To request an appointment outside of the above times, please send both the instructor and the TA an email with your availability up to a week ahead.

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.

Prerequisites: None

Course Description

Introduction to the power of maps, covering spatial representation, visual literacy, and geographic information technology in a global society.

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; and
5. evaluate the impact of spatial data sampling, uncertainty and scale on map use.

HOW THIS COURSE WORKS

Mode of delivery: This class is in-person. All learning materials will be uploaded on Carmen Canvas. Additional components:
- Readings
- General lectures
- Labs and exercises

Credit hours and work expectations: This is a **3-credit-hour course**. According to Ohio State policy (go.osu.edu/credithours), an average student 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.

Communications with instructors: *Email us if you have questions related to class materials and assignments. Make sure you include a detailed description of the problem and attach a screenshot if applicable.* 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 Outlook email (always include both instructor and TA 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

Optional texts – available at the bookstore, as an ebook, or on Amazon:

1. *Tyner, Judith A. 2015. The World of Maps: Map Reading and Interpretation for the 21st Century. Guilford Publishing.*

    Other readings will be uploaded on Carmen Canvas.

GRADING AND FEEDBACK

How your grade is calculated
All submissions are made via Carmen Canvas on the due date. Your due date is not an optional or suggested date, it is the last possible date you can submit an assignment and get a grade.

CATEGORY	PERCENT OF FINAL GRADE	OCCURRENCE
Quizzes	8%	8
Introductions Online	2%	Once
Lab assignments	50%	6
2 exams	20%	2
Final paper	20%	Once, with 3 milestones
Total	**100%**	

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: I do not round up; an 89.9% is not a 90%.

Attendance

Attendance will be taken each day using iclicker. Create an account at https://www.iclicker.com/. Please create an account under Student. Once you have created your account, search for this course.

Attendance of lecture sessions at over 90% could have a positive impact on your grade. For example, if you have a borderline grade. For example, an 89% (B+) could be increased to an A- with attendance of 90% or greater.

Graded Assignments

All assignments, listed below, are required to be your own work. Do not share your work with others in this class. Use of AI is not permitted in this course.

Quizzes (8%)

Quizzes assist you in studying for the exams. Quizzes are online and untimed. See the schedule for weeks, topics and due date.

Self-Introduction (2%)

During the first two weeks of class, you will participate in an online discussion. You introduce yourself to the class and respond to other students' introductions. This may help you find a partner for one of the labs.

Lab assignments (50%)

You will have 6 lab assignments throughout the semester. These assignments consist of doing analysis and mapping within GIS and then submitting a written report with screenshots of your map. More specifics are in the instructions and template required to be used for assignments. Details about each assignment, including guidelines and rubric, is available on Carmen Canvas. Turnitin and AI checks are enabled within Canvas for these submissions.

One lab involves collecting data outside on campus and we recommend that you work with a partner.

Two exams (20% - 10% each)

Exams are open-book, open-note, and timed. 50 points each. One will be on mapping concepts and the other on statistics. See the course schedule for the dates and times of the exams. These are held during class periods.

Term paper (20% of total grade)

You will turn in a short proposal (5 points), progress report (10 points), and final paper (100 points) for grading on Carmen Canvas. Instructions for the paper is posted on Carmen Canvas. Turnitin and AI checks are enabled within Canvas for these submissions.

Late submissions

Late submissions for any assignments are not accepted in this course.

You do have **1** opportunity to extend your deadline **for 1 day** during the semester, applied to a lab assignment of your choice. No permission is required, use this opportunity wisely, it can only be used once.

Accommodations for religious holidays will be considered. A request must be submitted prior to any assignment due date that conflicts with such holidays. Please provide information on the holiday and its date and the number of days requested in the extension.

Additionally, in case of personal and family emergencies, please notify us as soon as possible so that we can work out a submission timeline. Such extensions may or may not be granted, it is decided on a case-by-case basis. Extensions are not granted after the fact, e.g., you can't ask for an extension on an assignment that was due two weeks before or wait until the end of the semester to submit assignments you missed. To request an extension for one of these emergency conditions, you must put the request in writing to Dr. Parece (cc to the TAs) and the email must contain the following information:

<div align="center">

Course Name and Code (GEOG 5210 Fundamentals of GIS)
Reason for the extension request:
The specific assignment:
Specific extension requested:
Attach documentation of the reason for the extension

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Any emails requesting extensions without this information will be returned with a request to provide this information.

Course Academic Integrity Policy

Turnitin (https://www.turnitin.com/) is a plagiarism and AI verification platform. This check is set to automatically review your paper when you submit it on Canvas. Please note that any assignments with a score of 25% or more may result in reporting a code of conduct violation to OSU's Committee on Academic Misconduct (please see the Academic Integrity Policy below). Please note that when you use quotes or repeat the assignment instructions within your written report, it increases the Turnitin and AI score. Avoid these when at all possible.

Instructors' feedback and response time

- **Grading and feedback:** For 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 **48 hours on school days when class is in session at the university**.

Course technology

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 (no past experience is required)
- Microsoft Excel
- Basic computer and web-browsing skills
- Navigating Carmen (go.osu.edu/canvasstudent)
- One Drive cloud storage associated with your OSU email account (https://onedrive.live.com/)

Required software:

- Microsoft Office 365: All Ohio State students are now eligible for free Microsoft Office 365. You must complete your registration for this if you are using your personal computer. If you have a Mac, you must be sure this registration is complete as we will be using Excel in this class. Full instructions for downloading and installation can be found at go.osu.edu/office365help.

Required equipment:

- While in the classroom, you must use the classroom computer to work on assignments or exams (unless specific permission is granted by Dr. Parece).
- You may use your personal device for taking notes.
- Other: a mobile device (smartphone or tablet) to use for BuckeyePass authentication

Carmen access

You will need to use BuckeyePass (buckeyepass.osu.edu) multi-factor authentication to access your courses in Carmen. To ensure you 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 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.

Accessibility of course technology

This 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)
- CarmenZoom accessibility (go.osu.edu/zoom-accessibility)

OTHER COURSE/UNIVERSITY 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. 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

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 optional wearing of a face mask in any indoor space and maintaining a safe physical distance at all times. If you make an appointment to meet with me in my office, I do request that you wear a facemask.

Academic integrity policy

All assignments, exams, and quizzes are required to be your own work. Use of AI is not permitted in this course.

Turnitin (https://www.turnitin.com/) is a plagiarism and AI verification platform. This check is set to automatically review your paper when you submit it on Canvas. Please note that any assignments with a score of 25% or more may result in reporting a code of conduct violation to OSU's Committee on Academic Misconduct (please see the Academic Integrity Policy below).   Please note that when you use quotes or repeat the assignment instructions within your written report, it increases the Turnitin and AI score. Avoid these when at all possible.

Ohio State's academic integrity policy

It is the responsibility of the Committee on Academic Misconduct to investigate or establish procedures for the investigation of all reported cases of student academic misconduct. The term "academic misconduct" includes all forms of student academic misconduct wherever committed; illustrated by, but not limited to, cases of plagiarism and dishonest practices in connection with examinations. Instructors shall report all instances of alleged academic misconduct to the committee (Faculty Rule 3335-5-487). For additional information, see the Code of Student Conduct **http://studentlife.osu.edu/csc/**.

Inclement Weather

Should in-person classes be canceled, we will meet virtually via CarmenZoom during our regularly scheduled time. I will share any updates via [CarmenCanvas, email or other mode of communication].

Religious Accommodations

It is Ohio State's policy to reasonably accommodate the sincerely held religious beliefs and practices of all students. The policy permits a student to be absent for up to three days each academic semester for reasons of faith or religious or spiritual belief.

Students planning to use religious beliefs or practices accommodations for course requirements must inform the instructor in writing no later than 14 days after the course begins. The instructor is then responsible for scheduling an alternative time and date for the course requirement, which may be before or after the original time and date of the course requirement. These alternative accommodations will remain confidential. It is the student's responsibility to ensure that all course assignments are completed.

Disability Services

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 me know immediately so that we can privately discuss options. To establish reasonable accommodations, I 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; 614-292-3307; slds.osu.edu; 098 Baker Hall, 113 W. 12th Avenue.

Mental Health Statement

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. The Ohio State University offers services to assist you with addressing these and other concerns you may be experiencing. If you or someone you know are suffering from any of the aforementioned conditions, you can learn more about the broad range of confidential mental health services available on campus via the Office of Student Life's Counseling and Consultation Service (CCS) by visiting ccs.osu.edu or calling 614-292-5766. CCS is located on the 4th Floor of the Younkin Success Center and 10th Floor of Lincoln Tower. 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 Suicide Prevention Hotline at 1-800-273-TALK or at suicidepreventionlifeline.org.

Sexual Misconduct/Relationship Violence

Title IX makes it clear that violence and harassment based on sex and gender are Civil Rights offenses subject to the same kinds of accountability and the same kinds of support applied to offenses against other protected categories (e.g., race). If you or someone you know has been sexually harassed or assaulted, you may find the appropriate resources at http://titleix.osu.edu or by contacting the Ohio State Title IX Coordinator at titleix@osu.edu

Diversity

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 people 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.

Disclaimer

This course syllabus provides a general plan for the course; deviations may be necessary. Such deviations may be made for individuals or for the entire class, as deemed appropriate by the instructor. Any changes that affect the entire class will be announced by the instructor with as much advance notice as possible.