GEOG 2200 Mapping Our World – Spring 2018

Meeting Times: TR 12:45pm – 2:05pm, Derby Hall 135

Instructor Name and Email: Dr. Emily S. Castellucci, castellucci.5@osu.edu
Office Hours and Location: My office is Derby Hall 1168. My office hours are by appointment only. If you would like to schedule a meeting with me, please visit my scheduling website: https://emilycastellucci.clickbook.net/. If you cannot make your appointment, please cancel. Note: I am not available for meetings on Fridays, so please plan accordingly.

Teaching Assistant Name and Email: Rohit Mukherjee, mukherjee.110@buckeyemail.osu.edu
Office Hours and Location: TR 11:30am-12:30pm, Derby 1131

Course Description: The powerful language of maps visually shows trends and 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 of many types, e.g. natural resources, flows of trade, historical events, property management, diseases, etc. 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. 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 critical real-world problems, such as understanding international markets, demographic patterns, business locations, natural disaster recovery and responses, watershed preservation, etc. Specifically, the following course objectives have been identified:

After successfully completing this course, students should be able to:

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

GE 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.

Schedule: GEOG 2200 Spring 2018 Schedule (Google Doc)

Materials:

- Textbook:
  - We will use the book *Map Use: Reading, Analysis, Interpretation*, 8th edition (2016) by A. Jon Kimerling, Aileen R. Buckley, Phillip C. Muehrcke, and Juliana O. Muehrcke. It is available at Barnes & Noble The Ohio State University Bookstore and Amazon (see http://a.co/97cM1iL).
  - I will provide the first two chapters of the textbook on the course website to give you time to obtain the textbook, if you do not already have it. However, you will be expected to have your own copy of the textbook for remaining readings.
  - Other readings will be provided, typically in PDF format or as links, on the course website.
- Portable Memory Device:
  - You need to bring a portable memory device, such a flash drive or external hard drive, with you to every lab session, and all of your work needs to be saved to this flash drive.
  - Do NOT leave any of your work saved to the lab computers, as this presents data security and academic integrity concerns. For more information, see the Academic Misconduct section under Policies.
  - A device with at least 8 GB of storage should be more than sufficient for the needs of this course.

Evaluation:

- Assignments: 35%
  - Assignments is a broad category that contains many possible activities/exercises. They will be assigned and due on a regular basis.
  - Typically, you will have time to begin assignments during class, but you will be expected to finish them outside of class time and before the next class meeting.
- Reading Quizzes: 10%
  - There will be a reading quiz to accompany most, if not all, reading assignments from the textbook.
  - These are open-book quizzes to be completed outside of class time and before the next class meeting.

- Exams: 30%
    - There will be 2 exams, each containing 50 questions, which will be administered using the course website.
    - Exams will not be returned to you. If you wish to review your exam, you will need to schedule a meeting with your instructor.
- Term Paper: 15%
    - The term paper is an important deliverable that helps you develop/demonstrate your understanding of basic methods of spatial data gathering, presentation, and interpretation. It also asks you to demonstrate the value of geographic knowledge and how it can be used to analyze critical real-world problems.
    - More information about the term paper will be released as the semester progresses.
- Participation/Attendance: 10%
    - 1 point – Hello My Name Is Survey
    - 2 points – Syllabus Quiz
    - 2 points – Map Gallery
        - You are expected to find a published map from a reputable source and present it during class.
        - Share a link to the map so that it can be added to the Map Gallery.
    - 5 points – Attendance
        - Note: This portion of your participation grade is applicable to days other than Discussion Group days and Exam days, which already implicitly address attendance.
        - Attendance is required and will be recorded at all class meetings. An attendance sheet will be passed around the classroom, and you are responsible for remembering to sign it. If you forget to sign the attendance sheet during the scheduled class time, you will be marked absent (unexcused).
        - Unexcused Absences:
            - You may miss only 2 classes without penalty. Additional unexcused absences will result in a half point (-0.5) deduction from your attendance grade. No more than 5 points total can be lost from attendance.
        - Excused Absences:
            - Requests for excused absences (e.g. due to illness, car trouble, conference attendance, required job training, death of a loved one, etc.) require completion of the Request for Excused Absence Form. (Please do *not* email your instructor or TA to request an excused absence!) Your submission of the form, along with accompanying documentation (e.g. doctor's note, bill from a mechanic, proof of conference registration, email from a supervisor, obituary, etc.), may not be reviewed immediately, but you may assume that your absence is excused, unless you hear otherwise from your instructor.

- *Grading Scale* (OSU standard scale):
  - A 93-100%
  - A- 90-92%
  - B+ 87-89%
  - B 83-86%
  - B- 80-82%
  - C+ 77-79%
  - C 73-76%
  - C- 70-72%
  - D+ 67-69%
  - D 60-66%
  - E 0-59%

  Note: Your final grade as seen on the course website will be rounded to the nearest whole number (e.g. an 89.49 is a B+ but an 89.50 is an A) before being submitted to the University Registrar at the end of the semester.

Policies:

1. *Email correspondence policies.*
   a. You are responsible for all course related emails, so be sure to check your email frequently (i.e. daily on weekdays).
   b. When emailing your instructor at castellucci.5@osu.edu, always include the course number and meeting time somewhere in the subject or body of the email. (This is important since your instructor teaches multiple classes and needs to know to which class you are referring.)
2. *Course website policy.* You are responsible for all announcements, additional reading, assignments and other material posted at the Canvas site, so be sure to check it frequently (i.e. daily on weekdays). Note:
   a. You may find that it helps to update your notifications. You can do this by going to Account > Notifications. There are four notification options, and I suggest that you turn on "Notify me right away" or at least "Send daily summary" for everything until you figure out which notifications are most beneficial to you.
   b. There is a Canvas app available for iPhone and Android, which you may find beneficial for keeping up with the course website.
3. *Late policies*.
   a. Late work will be penalized 10% of the total points possible per business day late, and late work will only be accepted up to 5 business days late. Please note that late penalties may not appear immediately on work submitted late, as late penalties must be manually applied.
   b. It is possible for the late penalty to exceed the number of points awarded for correct answers, but a zero (not a negative number) will be assigned in these cases.
   c. Extensions will not be granted due to lost work; be sure you back up and keep all of your work.
4. *Exam policies*.
   a. Exams must be taken at the scheduled time, unless you have submitted the Request for Excused Absence Form, and it has been approved by the instructor. Please contact your instructor in advance of the scheduled exam to schedule a make-up exam, except in the case of emergency.
   b. You are expected to arrive to all exams *on time*. Students who arrive late to the exam will be permitted to begin the exam, until the first student leaves. After a student completes the exam and leaves, students who arrive late will not be

permitted to begin the exam, will be asked to leave, and will be considered absent. Your absence will be considered unexcused, unless you submit a Request for Excused Absence Form, and it is approved by the instructor.

c. Make-up exam penalties:
    i. Make-up exams for excused absences will not be penalized.
    ii. Make-up exams for unexcused absences will be penalized 15%.

d. You are expected to finish all exams *on time*. Exams begin when schedule class time begins, and exams end when the scheduled class time ends. At the end of the scheduled class time, you are to stop working and turn in your exam. You may not continue working on your exam after the scheduled class time.

5. *Disability services policy*. Students with disabilities that have been certified by the Office for Disability Services will be appropriately accommodated and should inform the instructor as soon as possible of their needs. The Office for Disability Services is located in 098 Baker Hall, 113 W. 12th Ave, Columbus, OH 43210; telephone 292-3307; VRS 429-1334; http://www.ods.ohio-state.edu/.
6. *Academic misconduct 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/pdfs/csc_12-31-07.pdf.
    a. Collaboration for the purposes of troubleshooting is highly encouraged in this course, but everyone is expected to submit their own unique work. For example, asking a classmate how to resolve an unexpected error message is OK, but using another classmate's work (e.g. screen captures, etc.) as your own is NOT ok, regardless of whether or not they provide consent for the use of their materials. (Note: There are many other acceptable/unacceptable actions than those exemplified here.) If you have any questions or concerns about acceptable/unacceptable actions, ask your instructor for clarification/permission.
    b. Do NOT leave any of your work saved on the lab computers, as this presents data security and academic integrity concerns. Because the lab computers utilize class accounts instead of personal login credentials, the lab computers are NOT secure; files can be easily accessed by anyone.
        i. If you leave your work on the lab computers, another student could access it and use it as their own, resulting in work that is identical or nearly identical (as determined by the instructor). If this happens, ***both*** **will receive zeros for the assignment, and both will be held responsible for academic misconduct.**
        ii. If you leave your work for one or more assignments on the lab computers and an instructor or TA discovers the work that you saved on the lab computers, **you will be penalized 50% on each assignment for which work was left on the lab computer**. Additionally, the files will be immediately

deleted from the computer so that they will not be available to anyone else. (Files whose owners cannot be determined will also be deleted.)

iii. If you discover work that was left on the lab computers by another student, please immediately delete the files from the computer so that they will not be available to anyone else. (You may also delete files who owners cannot be determined.)

c. All open-ended responses to questions, prompts, etc. must be written entirely, nearly entirely, or at least in majority using your own words. Use credible sources, and cite all sources, including those only referenced, those indirectly paraphrased, and those directly quoted, being sure to use quotation marks to identify excerpts from these credible sources. This expectation to cite all of your sources also extends to the textbook, the lab instructions, lecture slides, other course materials, online resources, etc.

Classroom and Computers:

You must swipe your BuckID to access the classroom in Derby 0135. (Note: The card scanners are sometimes unreliable. You may need to swipe more than once, and you may need to wait a second or two after swiping to open the door, giving the scanner a chance to unlock the door. If you continue to have problems, please notify the office staff in Derby 1036.)

To access the computers in Derby 0135 and 0140, you may use the following login information:

- Username: G2200
- Password: Geog-2200SP18

To access the internet, you need to visit the following website and login:
https://nauth1.auth.infosec.ohio-state.edu

If you need to return to the computer lab outside of class time, please be aware that the building is usually locked at night, over weekends, and on holidays, so be sure to plan accordingly. When you do return to the computer lab outside of class time, there may be a class in session. Please attempt to avoid interrupting classes that are in session, and if there *is* a class in session, check the computer lab across the hall in Derby 140. It has the same software as Derby 135, and it is usually available.

If you would like to check the schedules for Derby 135 and 140, you can check the Room Matrix:
https://delegated.osu.edu/psp/csosuda_1/EMPLOYEE/CAMP/c/OSR_CUSTOM_MENU.OSR_ROOM_MATRIX.GBL

1. Enter DB0135 for Derby 135 or DB0140 for Derby 140.
2. Select the date under “Show Week of”.
3. Click “Refresh Calendar”.

You will be able to see when the room is occupied and when the room is available.

Disclaimer: This course syllabus provides a general plan for the course; deviations may be necessary. Any changes will be announced by the instructor with as much advance notice as possible.