

GEO 109
“Digital Mapping”
Spring 2017
T/Th 9:30—10:20am



Lecture: Chem/Phys Building 139
38.035575, -84.504034



Lab Sections: Classroom Building 313
38.038015, -84.504104

Instructor

Dr. Jeremy W. Crampton
Professor of Geography
867 Patterson Office Tower
Twitter: @jeremycrampton
Email: jcrampton@uky.edu
Office Hours: T/W 11:00 – 12:00 & by appt.



Teaching Assistants (TAs)

Office Hours by appointment; contact TAs through Canvas

Christine Woodward (POT 818)
Email: cwoodward@uky.edu

Section 001 F 9:00 – 9:50AM
Section 002 F 10:00 – 10:50AM
Section 003 F 11:00 – 11:50AM

Emily Kaufman, Lead TA (POT 818)
Email: emily.kaufman@uky.edu

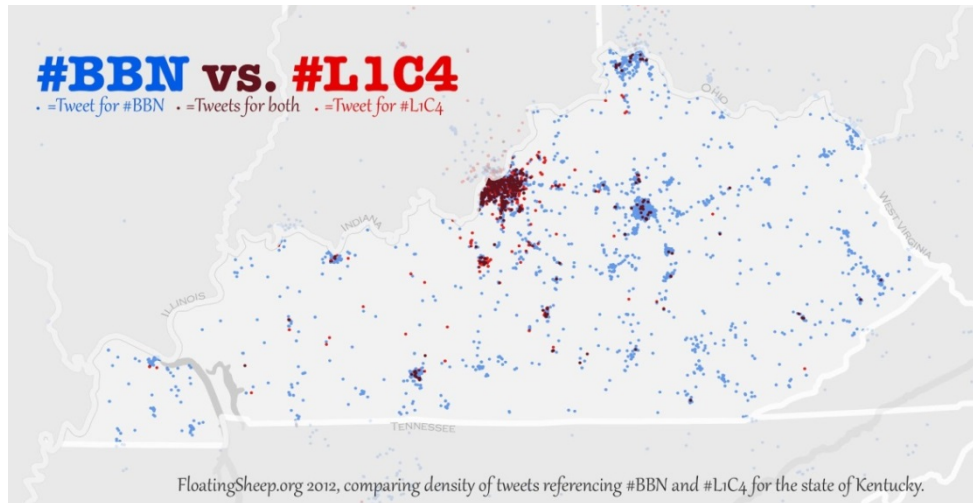
Section 004 F 12:00 – 12:50PM

Ian Spangler (POT 818)
Email: ian.spangler@uky.edu

Section 005 M 9:00 – 9:50AM
Section 006 M 10:00 – 10:50AM
Section 007 M 11:00 – 11:50AM

Harrison Cole (POT 818)
Email: harrison.cole@uky.edu

Section 008 M 12:00 – 12:50PM
Section 009 M 2:00 – 2:50PM
Section 010 M 3:00 – 3:50PM



#BBN Big Blue Nation (UKY)
 #LiC4 Louisville First, Cards Forever (UL)

Course description

Mapping is both an art and a science. It has a long history of artistic, communicative, and analytic processes in the geographical tradition. *This course* will serve as an introduction to the concepts, techniques, and histories that enable mapping as a creative and artistic practice, with particular attention to the digital. It covers the centrality of the map in everyday life and the new ways people can participate in making maps—including the use of drones, kites and helium balloons. While we won't ignore paper maps, of particular interest will be Internet-based mapping tools and their relationship to traditional digital mapping techniques, such as geographic information systems (GIS), global positioning systems (GPS), and mobile mapping (e.g., smartphones). In addition the course will introduce principles in cartographic design, geovisualization methods for digital data, and digital map evaluation and critique. By the end of the semester, students will create their own maps.

Course goals and objectives

In utilizing the creative process of digital mapping, this course shall:

- Trace the technological developments and conceptual debates that situate contemporary digital mapping as art and creative practice;
- Explore the variety of digital mapping technologies available for creative and artistic representations of spatial phenomena;
- Create maps through digital processes using Internet-based and desktop-based software; and
- Critique existing digital maps and tools, as well as those creative works produced by participants in the course.

Student learning outcomes

By the completion of this course, students shall be able to create maps that demonstrate their engagement with the creative and artistic processes of digital mapping, both as an individual and as part of a collaborative endeavor. Specifically, students will:

- Apply principles of map design to create maps that are coherent and convincing as well as technically correct, choosing an appropriate representation for their data set or project goal;
- Situate contemporary digital mapping within histories of technological developments and theoretical debates;
- Critique cartographic products and geoweb applications to assess some of their potential social, political, and aesthetic implications; and
- Evaluate results of their own creative endeavors and, using that evaluation, reassess and refine their work.

Format

This course will be composed of lecture and discussion sessions. Lecture sessions will cover the majority of the conceptual and historical material, as well as demonstrate a range of creative applications. Lecture is not duplicative of the texts. In discussion sessions, students will meet in a computer lab to discuss the lecture material and practice techniques, while working on their map creations. Students will be expected to work constructively with their fellow classmates in developing a comprehensive understanding of the introduction techniques in digital mapping.

Required Texts

John Krygier and Denis Wood, 2016. *Making Maps* (3rd edition). Guilford Press. **“K&W”**

Jeremy Crampton, 2010. *Mapping. A Critical Introduction to Cartography & GIS*. Wiley-Blackwell. **“JWC”**

These are available to buy or “rent” from the University bookstore, Amazon, UK Libraries, Inter-Library Loan, etc.

There will also be supplemental readings, multimedia and sound recordings available through Canvas.

Assignments and Grading

Assessment is made up of the following:

Exam 1 (18% of final grade)

Exam 2 (18%)

Lab Participation & Discussion (7%)

Portfolio (7%)

Map Exercise 1 (10%)

Map Exercise 2 (10%)

Map Exercise 3 (10%)

Final Project (20%)

Total: _____ 100% of final grade

Be in contact.

You are responsible for checking your UKY email account; Canvas is what I will use to send communications outside class. Canvas is also the best way to contact me/the TAs. Please allow at least 24 hours for a response by email during weekdays. I will not respond to emails over the weekends.

Meet deadlines.

Meeting deadlines is an important professional practice. Consult the course schedule, below, for the due dates of the course assignments. A 10-percent deduction of the total will be applied to the final score of your assignment for submissions after the deadline **on the same calendar day**, with an additional 10-percent deduction for each additional calendar day the assignment is late. If the assignment is not delivered by the next class meeting, the assignment may not be accepted unless alternative arrangements are made

Be honest.

This course will expose you to a variety of concepts and techniques. You are expected to draw upon these, but you must be transparent and honest about your use of these ideas. Please get help if you're uncertain about this expectation! Per university policy, students shall not plagiarize, cheat, falsify or misuse academic records. Students are expected to adhere to University policy on cheating and plagiarism in all courses. It is your responsibility to familiarize yourself with these policies: more information can be found here: https://www.uky.edu/Ombud/ForStudents_AcademicIntegrity.php. The minimum penalty for a first offense is a zero on the assignment on which the offense occurred. If the offense is considered severe or the student has other academic offenses on their record, more serious penalties, up to suspension from the university, may be imposed.

Be respectful.

Students should at all times be respectful of fellow students, the professor or teaching assistant(s), and the University of Kentucky. Some basic reminders:

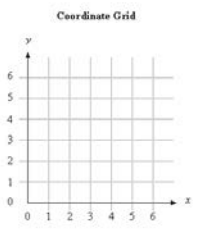



- Silence and put away all mobile devices. Do not check them during class.
- Show up on time. Late arrivals and early departures are rude and disruptive.
- Put away your reading material (other than perhaps readings necessary for the course).
- Do not talk during class. It is disrespectful to the professor and fellow students.
- Be attentive to and respectful of other students' contributions to class discussions. Discussion must not include criticisms of a personal nature, including denigrating another on the basis of skin color, sex, religion, sexual orientation, age, national/regional origin or other such irrelevant factors.




University Senate Rule SR 6.1.2 requires that faculty must respect the right of each student to voice opinions that conflict with the Instructor's opinion and the opinion of other students. Students must, however, express their opinions in a manner that is respectful, civil, and not disruptive to the class. The university advises that in the case of improper student behavior, the student will be told to leave the class and will receive an unexcused absence.

For students with special needs:

If you have a documented disability that requires academic accommodations, please see me as soon as possible during scheduled office hours. In order to receive accommodations in this course, you must provide me with a [Letter of Accommodation](#) from the [Disability Resource Center](#) (725 Rose Street) for coordination of campus disability services available to students with disabilities.

Schedule *Subject to change*

Week	Tuesday Class	Thursday Class	Discussion Lab Section
1. Jan 9	--	Course Introduction	Does Not Meet Read JWC Cover map and Note p. xii
Module 1: The Power of Maps			
2. Jan 16	The Power of Maps "Map or be Mapped" "Weird Map Portfolio" Introduced & Assigned Read JWC 164-167	The Grid-Haunted World  A coordinate grid with x and y axes ranging from 0 to 6.	Does Not Meet Read K&W 1-17 Read JWC "The Power of Maps" (Canvas) M1 posted to Canvas by Friday 11:59 PM
3. Jan 23	Artistic and creative maps: Psychogeography "Citizen Science mapping" Drones and helium balloons Art Maps and Cartodiversity Is that really a Map?!  A colorful, abstract map of the United Kingdom.	Read Harley 1987 (Canvas) Read JWC 95-97. Activity: My Favorite Map Map as Biography  A photograph of a landscape with a road, hills, and a cloudy sky.	Read K&W Chap. 1 Read JWC Chap. 12 Meet in Labs: do reading and begin the Portfolio M1 Reviewed in Lab
4. Jan 30	Why make a map? Map audiences	What is not Mappable? Unknown Unknowns  A poster with the text 'ACCESS DENIED' and a silhouette of a person holding a red handprint.	Read K&W chap. 2 Read Stone: "Map or be Mapped" M1 DUE Friday 11:59 PM M2 posted to Canvas

Week	Tuesday Class	Thursday Class	Discussion Lab Section
Module 3: Being a Mapper			
11. Mar 20	The Geoweb and Social Media		Read JWC 3, 10 Read Goodchild Introduce Final Project M3 DUE Friday 11:59 PM
12. Mar 27	Maps that say no! Mapping and protest SOLIDARITY 		Read: JWC 123-127 Work on Final Project Activity: Map Room. Meet in Map Library during sections
13. Apr 3	Does not meet Fieldwork during class time		Work on Fieldwork
14. Apr 10	Collaborative and participatory mapping Drone, balloon, kite mapping  		Read JWC 130-131 Work on Final Project
15. Apr 17	Map Critique Evaluating digital mapping		Read JWC Chap. 8
16. Apr 24	Final Exam Review		Final Project DUE Friday 11:59 PM
Final EXAM Wednesday May 3, 2017, 10:30AM			

Letter grade

The university norms of letter grades will be followed.

A 90-100% (exceptional work). GPA: 4.0

B 80-89.4% (above average work). GPA: 3.0

C 70-79.4% (average work). GPA: 2.0

D 60-69.9% (below average work). GPA 1.0

E <60% (failing). GPA 0.0

University Policies

Attendance Policy: Attend class and labs.

1. Simply stated, the majority of your grade depends on your preparation for, and engagement in, class discussions and group work. **We therefore ask that you attend all classes and labs except in the case of an excused absence.**
2. Excused absences: In general, students must notify the Instructor of an absence within one week after the absence (Senate Rule 5.2.4.2.E). If, for example, a student has an extended, two-week absence because of serious illness, the documentation would be due within one week after the student returns to classes.
3. University Senate Rules state that advance notice of an absence must be provided in two circumstances.
 - a. First, an absence for a major religious holiday requires advance written notification.
 - b. Second advance notice is required is for “[t]rips for members of student organizations sponsored by an educational unit, trips for University classes, and trips for participation in intercollegiate athletic events,” when advance notice is “feasible.” (SR 5.2.4.2.C). If advance notice is not feasible, the student must provide adequate notification and documentation within one week after the absence.
4. Verifying an absence: In general, **UKY health resources do not provide students with excuses** due to illness or injury (see [here](#)). Instead, UKY has a three-tier system.
 - a. Tier 1: Explanatory Statement for Absence from Class. Form ([available here](#), pdf) to be completed by the student and submitted to professor/TAs. For minor illnesses not requiring trip to medical center. Faculty decide if this document is “appropriate verification” of illness. In this class no more than one of these will be accepted per student. If you remain ill, seek medical attention.
 - b. Tier 2: Electronic Verification of Visit (Via E-mail). If you visit the medical center you may request this verification via email and should submit it to the professor and/or the TA.
 - c. Tier 3: restricted activity due to communicable disease. UKY health services will email this to you and you should provide it to the professor and/or TA.

Both Tier 2 and Tier 3 documents are acceptable in this class.

Students are expected to withdraw from the class if more than 20% of the classes scheduled for the semester are missed (excused or unexcused) per university policy.

Academic Honesty

Each student is advised to become familiar with the various forms of academic dishonesty as explained in the *Code of Student Rights and Responsibilities*. Complete information can be found at the following website: <http://www.uky.edu/Ombud>. A plea of ignorance is not acceptable as a defense against the charge of academic dishonesty.

Part II of *Student Rights and Responsibilities* (available online <http://www.uky.edu/StudentAffairs/Code/part2.html>) states that all academic work, written or otherwise, submitted by students to their instructors or other academic supervisors, is expected to be the result of their own thought, research, or self-expression. In cases where students feel unsure about the question of plagiarism involving their own work, they are obliged to consult their instructors on the matter before submission.

When students submit work purporting to be their own, but which in any way borrows

ideas, organization, wording or anything else from another source without appropriate acknowledgement of the fact, the students are guilty of plagiarism. Plagiarism includes reproducing someone else's work, whether it be a published article, chapter of a book, a paper from a friend or some file, or something similar to this. Plagiarism also includes the practice of employing or allowing another person to alter or revise the work which a student submits as his/her own, whoever that other person may be.

Students may discuss assignments among themselves or with an instructor or tutor, but when the actual work is done, it must be done by the student, and the student alone. When a student's assignment involves research in outside sources of information, the student must carefully acknowledge exactly what, where and how he/she employed them. If the words of someone else are used, the student must put quotation marks around the passage in question and add an appropriate indication of its origin. Making simple changes while leaving the organization, content and phraseology intact is plagiaristic. However, nothing in these *Rules* shall apply to those ideas which are so generally and freely circulated as to be a part of the public domain (Section 6.3.1).

Please note: Any assignment you turn in may be submitted to an electronic database to check for plagiarism. University policies will be adopted in this class including policies on academic honesty. University Senate rules state that "Students shall not plagiarize, cheat, or falsify or misuse academic records" (S.R. 6.3.1).

What is plagiarism?

Plagiarism: "When students submit work purporting to be their own, but which **in any way** borrows ideas, organization, wording or anything else from another source without appropriate acknowledgment of the fact, the students are guilty of plagiarism. See also here:

<http://www.uky.edu/Ombud/Plagiarism.pdf>

"Plagiarism includes reproducing someone else's work, whether it be published article, chapter of a book, a paper from a friend or some file, or whatever. Plagiarism also includes the practice of employing or allowing another person to alter or revise the work which a student submits as his/her own [ie., paraphrasing]. Students may discuss assignments among themselves or with an instructor or tutor, but when the actual work is done, it must be done by the student, and the student alone.

"When a student's assignment involves research in outside sources or information, the student must carefully acknowledge exactly what, where and how he/she has employed them. If the words of someone else are used, the student must put quotation marks around the passage in question and add an appropriate indication of its origin. Making simple changes while leaving the organization, content and phraseology intact is plagiaristic. However, nothing in these *Rules* shall apply to those ideas which are so generally and freely circulated as to be a part of the public domain" (S.R. 6.3.1, <http://www.uky.edu/StudentAffairs/Code/Section%20VI.pdf>).

Where to get help?

This course is based on a progression of lectures and mapping assignments. If you are having difficulty with any course material, please contact me. There are also other resources which you should find useful:

- GIS and Cartography Labs
5 Miller Hall
<http://www.uky.edu/AS/Geography/CartLab/>
- The University Writing Center
<http://www.uky.edu/AS/English/wc/>

- Map Collections, Science Library
410C King Library
<http://libguides.uky.edu/maps>
- Stress Management Workshops
Frazee Hall
<http://www.uky.edu/StudentAffairs/Counseling/>
- On reading an academic journal article:
<http://www.brockport.edu/sociology/journal.html>

Supplementary Readings

Available via Canvas.