OBJECTIVES
This course is intended as a hands-on introduction to vector GIS using ArcView 10 software. Vector GIS data are appropriate for modeling geographic objects, such as bounded areas (census tracts or service districts), specific locations (buildings or events such as crimes), and networks (streets). Students will develop skills necessary for carrying out basic GIS projects and for advanced GIS coursework. We will focus on ways that GIS is and could be applied to urban history, health, criminology and social services. The class also aims to help students develop an understanding of what is spatial, when GIS is appropriate for answering question, and to develop an awareness of the power issues involved in map-making. By the end of this course, you should be familiar enough with ArcGIS 10 to find, map, and analyze data using basic GIS tools and be able to teach yourself additional GIS skills using the help files, online materials, and software manuals.

GRADING
Over the course of the semester, you must complete 8 out of the weekly homework assignments or 5 weekly homework assignments and a final project. Your final course grade will be based on class participation (20%), homework assignments (10% each), and a final project (30%).

A+ Exceptional A Outstanding A- Excellent B+ Very good B Good B- Competent C+ Fair C- Marginal
If you meet the basic expectations for an assignment, you can expect to receive a B+ (very good). Grades within the A range will be awarded only for work that exceeds the basic expectations as described in the homework/final project assignment.

ELECTRONIC DEVICES
Please show consideration for the instructor and your classmates by not using cell phones (including text-messaging) at all during class and using laptop or desktop computers for class-related activities, only. I particularly value paying full attention to classmates during the discussion portion of class.

ATTENDANCE POLICY
Attendance at all classes is expected and will be factored into the class participation portion of your final grade. Because we will cover new conceptual and technical material every week, it is difficult to make up a missed class. If an emergency arises and you must miss class, please contact the instructor in advance.

CODE OF ACADEMIC INTEGRITY
All students are expected to abide by the University of Pennsylvania’s established Code of Academic Integrity
http://www.upenn.edu/academicintegrity/ai_codeofacademicintegrity.html This code explicitly prohibits cheating, plagiarism, fabrication, multiple submissions, misrepresentation of academic record, facilitating academic dishonesty, and unfair advantage.

COURSE MATERIALS
A manual for working with ArcGIS 10 is available on Canvass (under “GIS Materials”) as well as series of exercises that reinforce material covered in class. You are not required to complete the exercises, but you are encouraged to complete them if they are helpful. All of the data for the course is available on the course cd-rom. You will also receive a free one-year student edition of ArcView GIS 10 software.

WEEKLY READINGS
Short readings for each class have been posted to Canvas. You are asked to read these prior to coming to class in order to participate in class discussions. Each student will be required to sign up to lead discussion during two class sessions.

<table>
<thead>
<tr>
<th>DATE</th>
<th>READINGS</th>
<th>GIS LAB TOPICS</th>
<th>ASSIGNMENT DUE (BY SATURDAY)</th>
</tr>
</thead>
</table>
| Jan 11 | Maps as propositions/Queering the Map  
• Krygier & Wood, “Ce n’est pas le monde,” Propositions for Mapmakers, 2009. | Introduction to ArcMap  
Panning/Zooming,  
Layering maps  
Identifying attributes | N/A |
| Jan 18 | Social Survey Movement and Public Sociology  
• Mary Jo Deegan, "WEB Du Bois and the Women of Hull House,” American Sociologist 1988  
• A Legacy of Courage: WEB Du Bois and The Philadelphia Negro (19-minute documentary) | Map symbology,  
Thematic maps | Install ArcGIS; review introductory ArcGIS lab materials from first class |
| Jan 25 | Contemporary Carceral Geographies, Part 1  
• The Sentencing Project, "6 Million Lost Voters: State-Level Estimates of Felony Disenfranchisement, 2016"  
• The Sentencing Project, "Trends in US Corrections" | Joining attribute tables | Thematic mapping (1) |
| Feb 1 | Contemporary Carceral Geographies, Part 2  
• Spatial Information Design Lab, "Architecture and Justice (Million Dollar Blocks)," Columbia University  
• Dominique Moran, “Geographies of Carceral Systems,” Chapter 6 in Carceral Geography 2015. | Calculating attribute values | Joining Tables (2) |
| Feb 8 | Geographies of Re-entry  
<table>
<thead>
<tr>
<th>Date</th>
<th>Assignment</th>
<th>Reference</th>
<th>Mapping Data Mapping</th>
<th>Managing Projections</th>
<th>Layouts</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mar 29</td>
<td>Disrupting Heteronormativity and Queering the Map</td>
<td></td>
<td>Network Distances</td>
<td>Queries (8)</td>
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<tr>
<td>Date</td>
<td>Topic</td>
<td>Authors</td>
<td>Methodology</td>
<td>Notes</td>
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</tbody>
</table>
Ferreira & Salvador, "Lesbian collaborative web mapping: disrupting heteronormativity in Portugal," *Gender, Place and Culture*, 2015 | GPS and animation                     | Network Distances (9)                     |
| Apr 12| Tobacco Advertising                  | Geisking, "Crossing over into neighbourhoods of the body: urban territories, borders and lesbian-queer bodies in New York City," *AREA* 2016.  
| April 19| Open/TBA                            |                                                                                                                                               | Density (11) 3D (12)                  |                                             |

Final projects due by April 26th.